

**REPORT TO THE
TWENTY-FIRST LEGISLATURE
STATE OF HAWAII
2002**

**IN COMPLIANCE WITH HAWAII REVISED STATUTES
CHAPTERS 128D AND 128E
ON THE ACTIVITIES OF THE DEPARTMENT OF HEALTH
ENVIRONMENTAL HEALTH ADMINISTRATION
OFFICE OF HAZARD EVALUATION AND EMERGENCY RESPONSE
AND USE OF THE ENVIRONMENTAL RESPONSE REVOLVING FUND**

**PREPARED BY:
DEPARTMENT OF HEALTH
STATE OF HAWAII**

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GLOSSARY

AFB	Air Force Base
AGI	Airport Group International
AOC	Area of Concern
ARAR	Applicable Relevant and Appropriate Requirements
AST	Above Ground Storage Tank
ATSDR	Agency for Toxic Substances and Disease Registry
AVGA	Aviation Gas
BETA	Benzene, Toluene, Ethyl Benzene, Xylene
bgs	Below Ground Surface
BRAC	Base Realignment and Closure
CA	Cooperative Agreement
CAB	Clean Air Branch
CCA	Copper Chromium Arsenate
CDC	Center for Disease Control
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CIC	Clean Islands Council
CIP	Campbell Industrial Park
CLEAN	Campbell Local Emergency Action Network
COC	Contaminant of Concern
CSM	Conceptual Site Model
CWB	Clean Water Branch
DAGS	Department of Accounting and General Services
DERP	Defense Environmental Restoration Program
DLNR	Department of Land and Natural Resources
DOFAW	Division of Forestry and Wildlife
DOD	Department of Defense
DOH	Department of Health
DOT	Department of Transportation
DRMO	Defense Reutilization and Marketing Office
DSMOA	Department of Defense/State Memorandum of Agreement
EA	Environmental Assessment
EE/CA	Engineering Evaluation/Cost Analysis
EGIS	Environmental Geographic Information System
EPA	United States Environmental Protection Agency
EPCRA	Emergency Planning and Community Right to Know Act
EPO	Environmental Planning Office
ERO	Environmental Resources Office
ERRF	Environmental Response Revolving Fund
ESI	Expanded site inspection
FUDS	Formerly Used Defense Sites
FS	Feasibility study
FSA	Fuel Storage Annexes
GIS	Geographic Information System

GLOSSARY - CONT-

H ₂ S	Hydrogen sulfide
HAR	Hawaii Administrative Rules
HARC	Hawaii Agriculture Research Center
HAZMAT	Hazardous Material (also a Unit in the Fire Department)
HCCPD	Hexachlorocyclopentadiene
HCDA	Hawaii Community Development Authority
HEER	Office of Hazard Evaluation and Emergency Response
HEPCRA	Hawaii Emergency Planning and Community Right-to-Know Act
HERL	Hawaii Environmental Response Law
HIARNG	Hawaii Air National Guard
HPD	Hawaii Fire Department
HRS	Hawaii Revised Statutes
HSERC	Hawaii State Emergency Response Commission
HSPA	Hawaiian Sugar Planter's Association
ICE	Crystal Methamphetamine
IRP	Installation Restoration Project
ISST	Initial Site Screening Team
IT	Industrial Technology
LEPC	Local Emergency Planning Committee's
MOA	Memorandum of Agreement
MCL	Maximum Contaminant Level
MOGAS	Motor gas
MSO	Marine Safety Office, U.S. Coast Guard
NAS	Naval Air Station
NCTAMS	Naval Computer and Telecommunications Area Master Station
NEESA	Naval Energy and Environmental Support Activity
NFA	No Further Action
NFRAP	No Further Remedial Action Planned
NPDES	National pollution discharge and elimination system
NPL	National Priority List
NRTF	Naval Radio Transmitting Facility
NRDA	Natural Resource Damage Assessment
OEQC	Hawaii State Office of Environmental Quality Control
OPA 90	The Oil Pollution Act of 1990
OSWM	Office of Solid Waste Management
OWSG	An Oiled Wildlife Steering Group
PA	Preliminary Assessment
PAHs	Polyaromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethylene also known as PERC
PCP	Pentachlorophenol
PENCO	Pacific Environmental Corporation
PGV	Puna Geothermal Venture
POL	Petroleum Oil and Lubricant Preliminary Remediation Goals
PRP	Potential Responsible Party

GLOSSARY - CONT-

QAQC	Quality Assurance/Quality Control
RAB	Restoration Advisory Board
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
ROD	Record of Decision
RPM	State Remedial Project Manager
SDAR	Site Discovery Assessment and Remediation Section
SDWB	Safe Drinking Water Branch
SERC	State Emergency Response Commission
SHWB	Solid and Hazardous Waste Branch
SI	Site Investigation
SITE	Superfund Innovative Technology Evaluation
SOSC	State On-Scene Coordinator
SPA	State Program Approval
SPCC	Spill Prevention Control and Countermeasures
SVOC	Semi-volatile organic compounds
SWTR	Surface Water Treatment Requirements
TAMC	Tripler Army Medical Center
TCE	Trichloroethylene
TBCs	To Be Considered Requirements
TPH	Total Petroleum Hydrocarbon
TSCA	Toxic Substance Control Act
UIC	Underground Injection Control
VOC	Volatile Organic Compound
VRP	Voluntary Response Program
WWTP	Wastewater treatment plant

EXECUTIVE SUMMARY

OFFICE OF HAZARD EVALUATION AND EMERGENCY RESPONSE FISCAL YEAR 2001 ACTIVITIES

This report complies with Chapters 128D and 128E, HRS, that require the Department of Health (DOH) to prepare an annual report for the State Legislature. In addition, this report provides an overview of the function and activities of the Hazard Evaluation and Emergency Response (HEER) Office during the State Fiscal Year 2001 (JULY 1, 2000 TO JUNE 30, 2001).

I. ANNUAL REPORT REQUIREMENTS

- Chapter 128D, HRS, Environmental Response Law, requires the DOH to submit to the legislature an annual report to address the following:
 1. An annual budget to implement remedial action plans requiring funding by the Environmental Response Revolving Fund.
 2. A listing to identify sites eligible for remedial action under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), including a statement as to any appropriation that may be necessary to pay the State's share of the plan.
 3. The Department shall publish and revise, at least annually, a listing of the sites subject to Chapter 128D and any de minis settlements made under this chapter.

These requirements are addressed in the HEER OFFICE BUDGET AND EXPENDITURES, (Section 4.0) and STATE PRIORITY CLEANUP SITES, (Section 3.0), sections of this report, and in the Appendices A and B: Department of Health Release Notification Log and Department of Health State Site List, respectively.

- Chapter 128E, HRS, Hawaii Emergency Planning and Community Right-To-Know Act (HEPCRA), requires the DOH to report the following:
 1. The amount of Tier II filing fees collected annually for use by the local emergency planning committees (LEPC) and deposited into the Environmental Response Revolving Fund (ERRF) during FY 2001, the amount collected to date for FY 2002 and the amount to be collected in FY 2003.

The deadline for submitting the HEPCRA Tier II filing fees for the reporting year 2000 (calendar year 2000) is March 1, 2001. Commonly, a greater amount of the filing fees collected by the HEER Office are submitted in February 2001, just prior to the collection due date.

EXECUTIVE SUMMARY

The HEER Office collected \$34,500.00 of the projected \$69,000 due for this reporting period (January 1, 2000 through December 31, 2000). All fees collected were deposited into the Environmental Response Revolving Fund (ERRF) for use by the Local Emergency Planning Committees.

The fees collected for the 2000 reporting period through 6/30/01 are relatively low because during the collection period a full time HEPCRA Program clerk filled in for a vacant clerk's position. The HEPCRA clerk returned and resumed fee collection duties in August 2001.

Fees collected for fiscal years 2002 and 2003 should remain constant at the projected \$69,000 anticipated total for reporting year 2000.

II. OVERVIEW OF HEER FUNCTION AND ACTIVITIES

In general, the function of the HEER Office is to plan for and respond to hazardous substance, pollutant, contaminant and oil releases to the environment. The HEER Office evaluates actual or potential impacts such releases may have on the public, environment, and natural resources, and mitigates them as needed. The HEER Office is staffed with professionals able to assess chemical risks, evaluate the extent of chemical contamination, formulate response plans, oversee remediation, and actually conduct response activities. In addition, the HEER Office coordinates statewide planning activities to prepare for and respond to chemical and oil spills in the environment.

During FY 2001, the HEER Office received 465 notifications concerning the release of a hazardous chemicals or oil spills. Out of the 465 notifications reported, 222 required a site visit by a State On-Scene-Coordinator (SOSC) and/or off-scene coordination and response. This is consistent with the spill notifications reported in FY 2000. Notable among the spill responses during FY 2001 are the following:

III. HIGH PROFILE RAPID ASSESSMENT AND RESPONSE SITES

- **The Honolulu Harbor Area-Wide Contamination Rapid Assessment.**
- **The Puuwai Momi Mercury Removal.**

EXECUTIVE SUMMARY

IV. FY 2001 HIGH PROFILE AND RAPID ASSESSMENT SITE

The Honolulu Harbor Area-Wide Contamination Rapid Assessment site is the highest profile response site for FY 2001. The response is unique in that it deals with a vast area, connecting many properties and businesses with a similar hazardous waste contaminant. The working group is cooperating by way of a voluntary agreement to: 1) Complete a rapid assessment of the Iwilei Unit pipelines along the shoreline of Honolulu Harbor and moving inland; 2) do an expedited removal of contaminants, when necessary; 3) perform cleanup tasks in an agreed period of time; and finally, use the most appropriate methods and technologies available. The rapid assessment requires cooperation between the State Department of Health, Office of Hazard Evaluation and Emergency Response, the EPA Region IX, the U.S. Coast Guard, the Participating Parties representing private business and, the State Department of Transportation. A summary of this response follows, along with related photographs. A more detailed description can also be found in the later text.

HONOLULU HARBOR AREA-WIDE CONTAMINATION **RAPID ASSESSMENT**

On February 1, 2001, the Honolulu Harbor Participating Parties (HHPP), entered into an Environmental Response Working Agreement to respond to subsurface petroleum contamination and to continue response efforts in the Honolulu Harbor area of Oahu. This extensive area-wide contamination was first identified in 1995 when State On-Scene Coordinators (SOSCs) from the HEER Office and EPA Region 9 Federal On-Scene Coordinators (FOSCs) first established a collective method for response in areas where contamination is evident and connecting large areas of property.

The Honolulu Harbor site is divided into four workable units. During FY 2001, response efforts focused on contamination identified in the Iwilei Unit area. The Iwilei unit is bounded by Honolulu Harbor to the south, Kapalama Canal to the west, Dillingham Boulevard and North King Street to the north and Nuuanu Stream to the east. The Iwilei Unit area consists of a vast network of underground pipelines and petroleum storage facilities, many of which are now being discovered during investigatory soil borings and excavation.

The overall goal of the Environmental Response Working Agreement is to develop and implement a comprehensive strategy to solve past, present, and future environmental contamination problems in the Honolulu Harbor area. The desired endpoints are to achieve overall compliance, future prevention and cleanup of petroleum contamination. The EPA is actively supporting and participating in this effort.

EXECUTIVE SUMMARY

V. FY 2001 HIGH PROFILE ENVIRONMENTAL RESPONSE SITE, PUUWAI MOMI MERCURY REMOVAL

In FY 2001, the Puuwai Momi Mercury Removal was the second high profile incident. This emergency response took our office to the highest state of response involving nearly the entire office in a coordinated effort to ensure the safety of those exposed, many of which were children.

Control of the incident site was the priority in the first few hours after the release was discovered. Using an incident command coordinated response, a State On-Scene Coordinator from the HEER Office took the lead, working with other Federal, State and City and County of Honolulu response teams. This was one of the largest non-petroleum related releases ever to happen in Hawaii. It was of particular concern due to the large quantity of mercury having the potential of becoming volatile. Once heated in the warm Hawaiian sunlight mercury becomes potentially more readily absorbable by people through inhalation. A summary of the response is given below along with related photographs on the following pages. A more detailed description of this response can be found in the later text.

PUUWAI MOMI MERCURY REMOVAL

The Honolulu Fire Department's Hazardous Materials Unit notified the HEER Office on March 12, 2001 of a mercury contamination incident at the Puuwai Momi state managed housing complex. A State On-Scene Coordinator from the HEER Office responded and determined that the mercury contamination was a high priority emergency. Response efforts at the housing complex was immediately initiated and continued on through April 6, 2001. Seventy-one units out of a total of 261 units in the complex, required specialized response protocol and personal protective measures to contain the mercury. Approximately 4.4 pounds of free elemental mercury was recovered at the complex. The source of the mercury was an old water pump flow-meter left in an abandoned water pump station located near the housing complex. The pump station, once owned by the Navy, had been abandoned some time in the early 1960's when the Navy turned the land over to the State of Hawaii. The HEER Office response efforts recovered approximately 30 pounds of free mercury from the pump house. The State of Hawaii funded the \$622,462 cost for cleanup, through the Environmental Response Revolving Fund (ERRF) and will be seeking reimbursement for the ERRF from the Department of Land and Natural Resources (DLNR). The DLNR will be requesting the appropriation from the 2002 Legislature.

EXECUTIVE SUMMARY

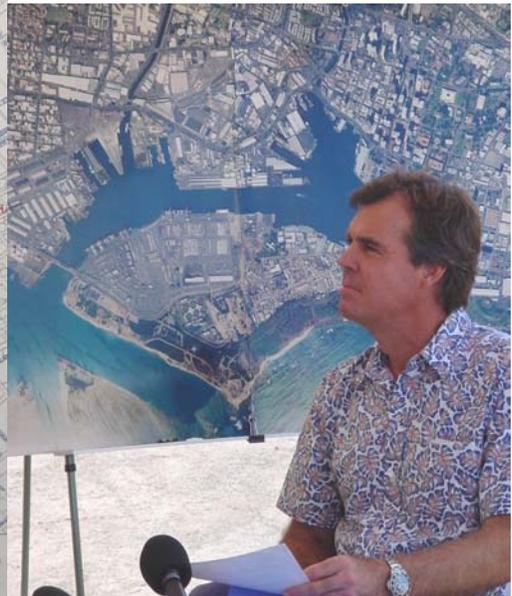
VI. COLOR PHOTO PAGES

1. Honolulu Harbor Area-Wide Contamination Rapid Assessment
2. Puuwai Momi Mercury Removal

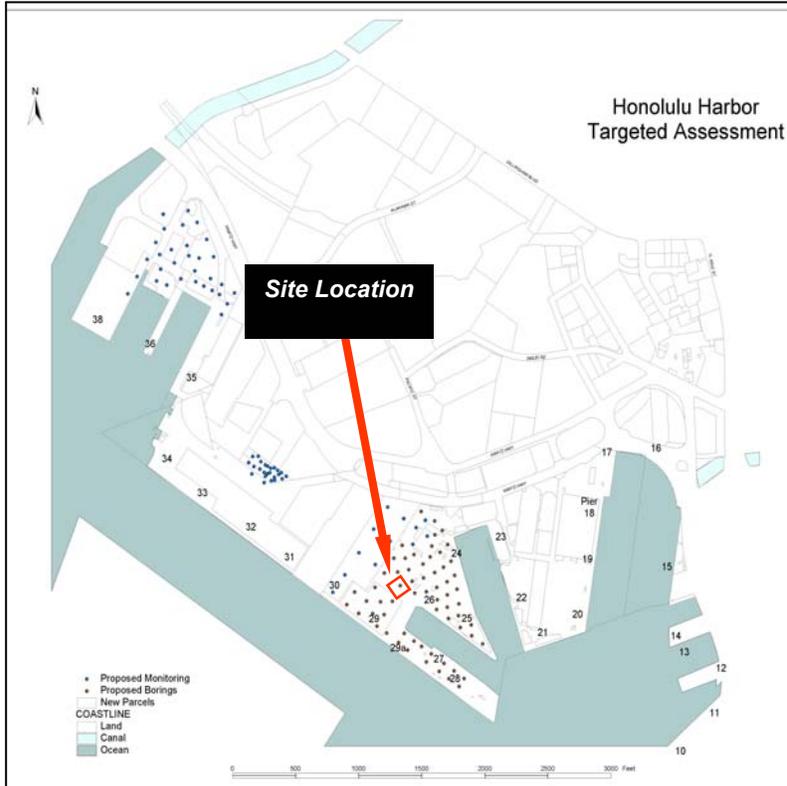
Honolulu Harbor Areawide Oil Contamination & Rapid Assessment Project



(B) Iwilei Unit
(Contamination Unit Boundaries)
Kapalama Stream
Dillingham Blvd.
King Street
Nuuanu Stream
Piers 19 - 38



Honolulu Harbor Areawide Oil Contamination & Rapid Assessment Project



Mobile Auger Drill Rig & Assist Vehicle (staged prior to boring and setting 4" - diameter wells)



Fuel-Oil Pipeline Schematic 1945



Pier-26 Pipeline Excavation - "Daylighted"

Honolulu Harbor Areawide Oil Contamination & Rapid Assessment Project



Abandoned Pipeline Valve & Manifold System



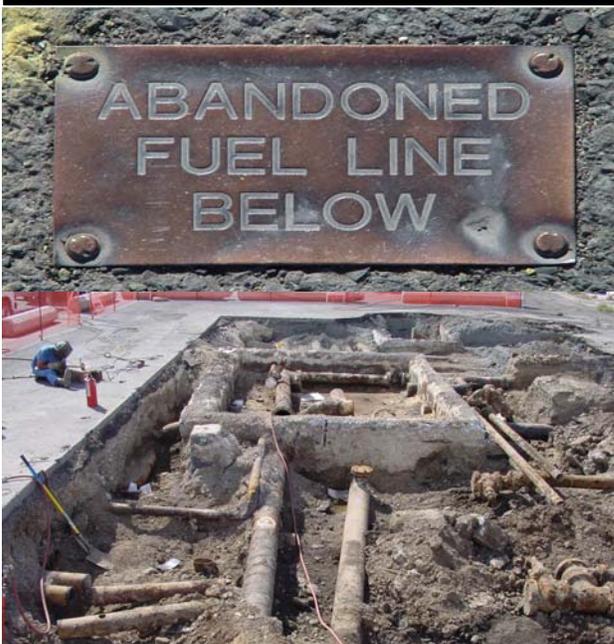
Pipeline Vacuum Truck "Stinger"



Tapped Pipeline Oil Recovery



Removed Pipeline Pile



Pier- 26 Abandoned Pipeline Excavation
(Pipeline - Daylighting, Tapping, Product Recovery,
Grouting, and Removal Operation)

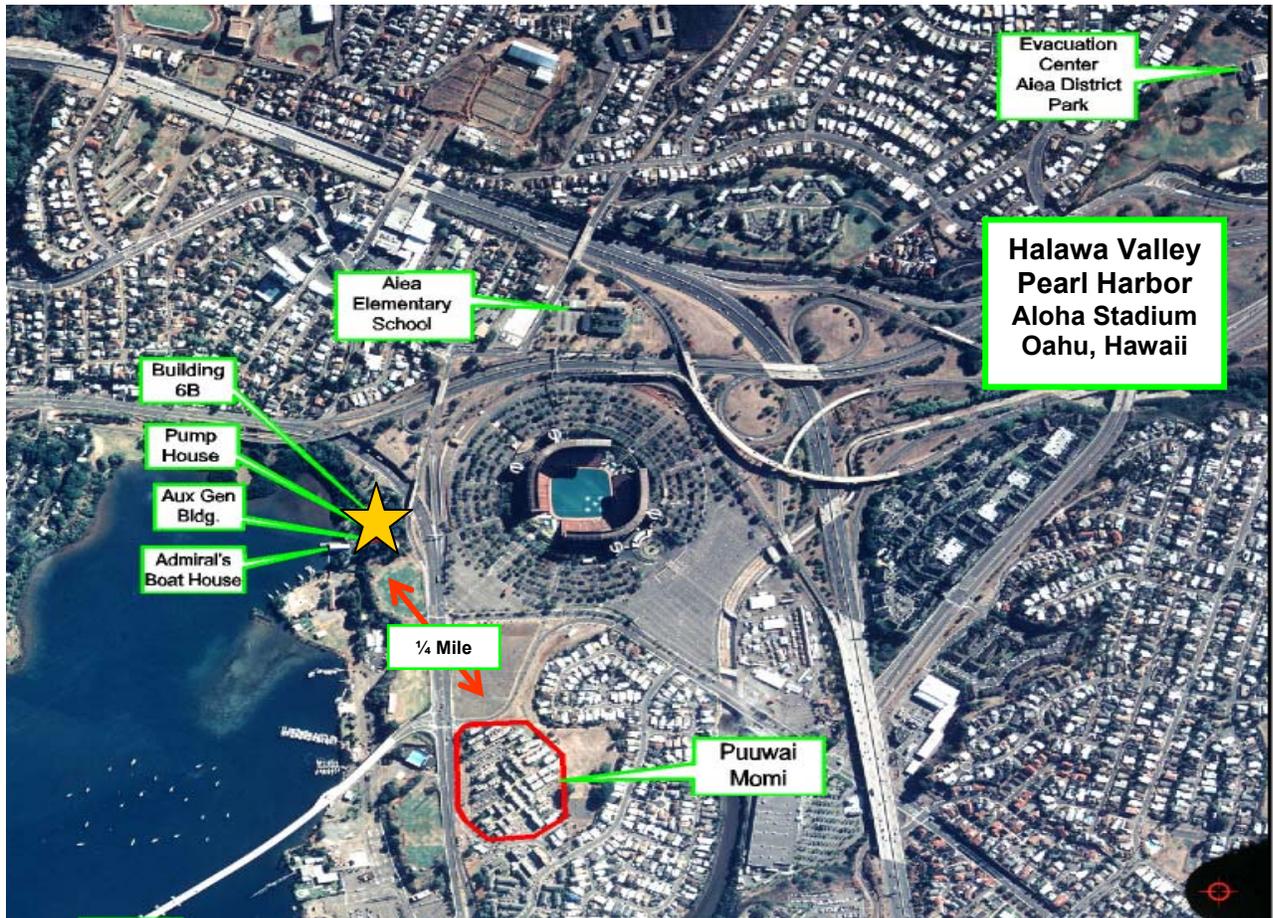


Pipeline Removal Operation

Honolulu Harbor Areawide Oil Contamination & Rapid Assessment Project



Puuwai Momi Housing Complex Mercury Spill



Mercury from electrical metering equipment was transported approximately 1/4 mile to Puuwai Momi Housing over a period of months prior to the Department of Health Environmental Response.

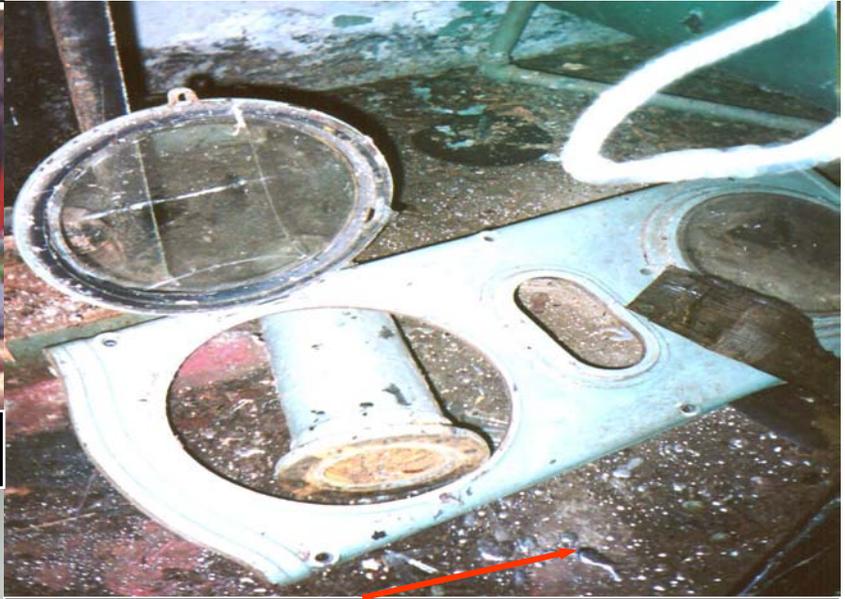


The Mercury Source (old military potable water pumphouse)
Approximately 30lbs. of mercury was recovered during cleanup.

Puuwai Momi Housing Complex Mercury Spill



Recovered Mercury
(Pumphouse)



Spilled mercury (puddles on the pumphouse floor)



Screening a room for mercury
vapor within the 260 units at
Puuwai Momi Housing Complex



Hazardous Materials Response Team recovering spilled mercury
droplets with a mercury vacuum



Mercury contaminated items
removed from 71 contaminated housing units
(contaminated items impoundment – cleaning & disposal staging)



Jerome - Mercury vapor
detection & metering equipment

EXECUTIVE SUMMARY

VII. FY 2001 Priority Areas and Program Improvements

During FY 2001, the HEER Office concentrated on improving its programs and enhancing its capacities in the following priority areas:

- Improve enforcement of Chapters 128D and 128E, HRS.
- Improve emergency response preparedness.
- Improve oversight and response to contaminated sites
- Develop and improve usage of the Voluntary Response and Brownfields Programs.
- Develop a Hawaii Chemical Accident Release Prevention Program.
- Improve office operations, policy and administration.

During FY 2001, the HEER Office implemented the following legislation passed by the 2000 Legislature:

1. Senate Concurrent Resolution (S.C.R.) No. 129

Requesting: (1) A study of unplanned releases of emissions by facilities at Campbell Industrial Park; (2) A study of above ground chemical storage tanks; and (3) A study of the Department of Health environmental hotlines.

- The Hawaii State Emergency Response Commission, through the HEER Office, is requested to report its findings and recommendations on above ground chemical storage tanks to the Regular Session of the 2002 Legislature.

2. Senate Concurrent Resolution (S.C.R.) No. 204

Requesting: (1) The Department of Health to conduct follow-up soil tests at Village Park and West Loch Fairways.

- The DOH notified the 2001 Legislature that it believed that any follow-up sampling would best be undertaken by individual homeowners and it did not plan to expend additional resources on testing areas that did not pose a public health or environmental threat. This decision was based on the results of the DOH's investigation conducted in 1999.

EXECUTIVE SUMMARY

During FY 2001, the Department of Health was unsuccessful in establishing and funding an Environmental Information Specialist position. The information specialist was needed to assist the Department of Health's Public Information Officer (PIO) and to allow the PIO to have a more effective presence in environmental incidences and matters.

In FY 2002, the HEER Office will continue to build its capacity to order, enforce and oversee cleanups of contaminated sites and recover costs wherever possible. In addition, it will encourage greater utilization of incentive programs such as the Brownfield' program to return contaminated properties to productive economic use.

Finally, the HEER Office will work to develop and implement a comprehensive Hawaii Chemical Accident Release Prevention Program. The priorities are:

VIII. The FY 2002 & FY 2003 HEER Office Operating Plan.

- **Improve enforcement of Chapters 128D and 128E, HRS.**
- **Improve emergency response preparedness.**
- **Improve oversight and response to contaminated sites.**
- **Develop and improve usage of the VRP and Brownfields programs.**
- **Improve office operations policy and administration.**
- **Develop a Hawaii Chemical Accident Release Prevention Program.**

1.0. THE HEER OFFICE

The HEER Office operates under various environmental authorities. The primary state enabling legislation is Chapter 128D, HRS, "Environmental Response Law" or commonly referred to as Hawaii's Environmental Response Law (ERL) and Chapter 128E, HRS, "Hawaii Emergency Planning and Community Right-to-Know Act" (HEPCRA). Chapter 128D, HRS, is modeled after the federal Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and Chapter 128E, HRS, is modeled after the federal Emergency Planning and Community Right-To-Know Act (EPCRA). However, unlike CERCLA, ERL defines hazardous substances to include oil. For oil spill planning, preparedness and response, the HEER Office becomes involved under the authority of the Oil Pollution Act of 1990 (OPA 90). The following tables list the legal authorities under which the HEER Office operates:

1.1. Authorities

STATE LAWS/RULES (Hawaii Revised Statutes – HRS)

STATE LAW Hawaii Revised Statutes (HRS)	STATE REGULATIONS Hawaii Administrative Rules (HAR)
Chapter 128D, HRS "Environmental Response Law" (ERL)	Title 11, Chapter 451, HAR "State Contingency Plan" (SCP)
Title 19, Chapter 321, HRS "Department of Health"	Title 11, Chapter 5, HAR Environmentally-Related Illness and Injury"
Chapter 128E, HRS "Hawaii Emergency Planning and Community Right-to-Know Act" (HEPCRA)	

FEDERAL LAWS (Code of Federal Register – CFR)

FEDERAL LAW National Code of Federal Register (CFR)	FEDERAL REGULATIONS National Contingency Plan (NCP)
Comprehensive Environmental Response, Compensation & Liability Act (CERCLA), 40 CFR	40 CFR, Part 300, "National Contingency Plan" (NCP)
Emergency Planning and Community Right-to-Know Act, (EPCRA), 40 CFR	40 CFR, Part 302, "National Contingency Plan" (NCP)
Clean Air Act (CAA), Section 112(r) Risk Management Program	40 CFR, Part 302, "National Contingency Plan" (NCP)
Oil Pollution Act of 1990 (OPA 90), 40 CFR, Part 300	40 CFR, Part 300, "National Contingency Plan" (NCP)

1.2. Program Mission and Objectives

1.2.1. Mission

To protect human health, public welfare and the environment, and to provide state leadership, support and partnership in preventing, planning for, responding to, eliminating, and enforcing environmental laws related to releases or threats of releases of hazardous substances, pollutants or contaminants including oil.

Specific program actions are:

1. Prepare for and respond in a timely and effective manner to releases of hazardous substances and oil into the environment.
2. Prepare and respond to all media related (air, land and water) releases during non-routine state working hours (off-hours).
3. Locate, investigate, and assist in the cleanup of lands with prior releases of hazardous substances, pollutants or contaminants.
4. Prevent harmful releases of oil and hazardous substances into the environment.
5. Evaluate the risks associated with releases of chemicals into the environment and other environmental risks to public health and the ecosystem.

1.2.2. Objectives

The following are our objectives:

Objective A: Environmental Release Response

- A-1: Improve the preparedness of federal, state and local entities to respond to releases of petroleum and hazardous materials into the environment utilizing risk-based management principles and effective partnerships.
- A-2: Integrate the Department of Health's response and cleanup programs utilizing risk-based management principles and effective partnerships.
- A-3: Enhance and improve capabilities to identify and assess hazardous substance and petroleum-contaminated sites.
- A-4: Enhance and improve capabilities to clean up hazardous and petroleum waste sites.

Objective B: Prevention of Environmental Contamination

- B-1: Implement an oil spill prevention program in Hawaii.
- B-2: Implement a Pipeline Safety Program.
- B-3: Implement a Clean Air Act (CAA) Section 112(r) Risk Management Program.
- B-4: Implement a HEPCRA Inspection Program.

Objective C: Statewide Risk Assessment Support

- C-1: Maintain an ongoing core of qualified environmental technical experts.

2.0. FY 2001 ACTIVITY

2.1. FY 2001 HEER Office Priorities

During FY 2001, the HEER Office concentrated on improving its oversight and response capabilities, such as the to area-wide contamination in the Honolulu Harbor area. The FY 2001 Operating Plan priorities were:

- **Improve enforcement of Chapters 128D and 128E, HRS**
- **Improve emergency response preparedness.**
- **Improve oversight and response to contaminated sites.**
- **Develop and improve usage of the VRP and Brownfields Programs.**
- **Improve office operations, policy and administration.**
- **Develop a Hawaii Chemical Accident Release Prevention Program.**

2.2. FY 2001 Notable Accomplishments by Priorities

2.2.1. Improved Enforcement of Chapters 128D and 128E, HRS

2.2.1.1. Legal Support/Enforcement

A Deputy Attorney General was fully funded by the Environmental Response Revolving Fund (ERRF) and continued to spend two days a week at the HEER Office. Legal support was solicited by the HEER Office to provide staff with assistance and legal resources regarding investigation, enforcement, response and cost recovery activities resulting from the accidental and/or intentional release of hazardous chemicals, including oil and various petroleum constituents. Upon request, the Deputy Attorney General scheduled consultations with HEER staff to discuss overall and site-specific legal issues. Some of the outcomes resulting from this support were:

In FY 2001 the cost recovery efforts resulted in the collection of approximately \$44,533.31 from the West Coast Cleaning and Preservation Inc. for the March 6, 2001 cleanup of bilge water released from a 1,200-gallon capacity pump truck onto Kilihau Street that drained into Moanalua Stream. In addition, a significant cost recovery effort was initiated for the Puuwai Momi Housing Complex Mercury Spill during FY 2001. Approximately \$622,462.56 was expended from the Environmental Response Revolving Fund (ERRF) for emergency response and cleanup at the site. The cost recovery efforts are continuing into FY 2002, when the responsible party, the Department of Land and Natural Resources (DLNR), will seek to reimburse the ERRF through an appropriation request to the 2002 Legislative session.

The total amount expended from the Environmental Response Revolving Fund during FY 2001 was \$669,122.56.

Table 1 COST RECOVERY SITES & ERRF EXPENDITURES	
1. West Coast Cleaning and Preservation Inc.	44,533.31
2. * Mercury Spill Puuwai Momi Housing Complex	622,462.56
3. **Expenditures without Identified PRP	2,126.69
Total	\$669,122.56
* Pending recovery from the Department of Land and Natural Resources. ** Expenditures ineligible for cost recovery due to an inability to identify an actual or potential responsible party who is held liable under Chapter 128D, the Environmental Response Law.	

Issues of concern to the HEER Office related to cost recovery for expenditures from the ERRF include:

- Cost recovery during enforcement.
- Recovering expended response funds from the responsible parties.
- Issues concerning closure of federal facilities.
- State agencies as responsible parties.
- Transfer of closed federal facilities to other state agencies.
- Brownfield's redevelopment of State lands.
- Voluntary Response Program.
- Cleaning up State Priority listed sites.

The Deputy Attorney General also supported the HEER staff in FY 2001 by providing consultation, discussion and/or resolve to issues regarding:

- Advice and/or counsel regarding subpoena, order, contract, agreement, memorandum of agreement (MOA), settlement, lawsuit, cost recovery, property access, record review, confidential material, natural resource damage assessment, rehabilitation and recovery, and emergency response and remedial activities.

Finally, the Deputy Attorney General provided support to the State On-Scene Coordinators and staff in the Emergency Response Section on issues specific to priority sites, in particular, the negotiations on the cleanup of Honolulu Harbor.

The initial effort included coordinating thirteen organizations with approximately thirty representatives, including the major oil companies and the State Department of Transportation that are operating or were operating in Hawaii on the Honolulu Harbor area-wide contamination site.

2.2.2. Improve Emergency Response Preparedness

2.2.2.1 Pollution Exercise Participation

In FY 2001, the DOH continued to play an active role in designing, planning, and conducting a wide range of oil and hazardous materials (HAZMAT) training exercises, modeled after the nationally recognized Incident Command System (ICS) objectives. The ICS is recognized nationally and is the directive used in all response efforts. In Hawaii we use the ICS protocol to establish a Unified Command System (UCS). The UCS brings the DOH, U.S. Coast Guard and representatives of the Responsible Party together for emergency response actions. The USC effectively is the ICS national response directive for the State serving to enable effective USC decision-making that serves the particular best interests of each participating party.

In the UCS, either the U.S. Coast Guard Captain of Port, or an Environmental Protection Agency (EPA) OSC is the designated Federal On-Scene Coordinator (FOSC) by presidential directive, and can thereby provide the State with Federal monetary and technical resources necessary for oil related or hazardous substance related emergencies of national priority.

The State DOH works hand-in-hand with the FOSC once a UCS is initiated. The State On-Scene Coordinators (SOSCs) are instrumental in making determinations necessary to address priority issues of the State of Hawaii. There are four designated SOSCs in the State of Hawaii, employed by the DOH and staffed in the HEER Office.

The SOSCs represent the State under the directive of the Governor of the State of Hawaii. Under the UCS the SOSCs are responsible for bringing about or initiating measures that provide the best State resources and manpower available at any moment to respond to the release of hazardous chemicals including oil and its constituents. The SOSCs have the authority to act on behalf of the State for the Governor as mandated in Chapter 128D (Environmental Response Law) to bring about expedient and effective response to protect human health and the environment.

In FY 2001, SOSCs participated in two Emergency Support Function 10 (ESF10) or HAZMAT exercises that are held annually. In addition, SOSCs assisted in tabletop and deployment exercises conducted by CHEVRON, TESORO, TOSCO and HECO. These exercises test and challenge the capabilities of all participating responders in the State and are the basis by which the Incident Command System operates.

The DOH, in partnership with the U.S. Coast Guard, EPA and industry, held regular training and workshops on response operations throughout the year. Many of these exercises were used to evaluate the response capabilities of other important response agencies in the State such as the police and fire departments, Hazmat and the Civil Defense. The SOSCs determine the capabilities available to them for response to oil spills and other hazardous waste through mock role-playing drills, which serve as a blue print during actual emergency situations.

2.2.2.2. Campbell Local Emergency Action Network (CLEAN)

CLEAN was developed in 1997 by businesses in the James Campbell Industrial Park (CIP) to address emergency planning issues, including public health and safety, for the CIP and surrounding community. The DOH HEER Office has participated in this effort and is highly supportive of their activities. An Emergency Management Plan for the CIP currently in use provides guidance and information to emergency response personnel, local residents, and businesses based on local conditions and specific CIP hazards. Community involvement has been present throughout the planning process. A special task force has been working to improve the overall effectiveness of the warning /notification system, to achieve increased public awareness and protection in and around CIP, and to provide public education on appropriate responses to the warning-notification in the event of an emergency. CLEAN has procured Sentinel Alert Radios for CIP and public facilities, including schools in the area to enhance notification of a chemical release. This year, the CLEAN organization was active in community outreach and participated in the Makakilo Emergency Preparedness Fair.

2.2.2.3. Airborne Dispersant Delivery System (ADDS)

In April 1999, Governor Cayetano signed a Memorandum of Agreement (MOA) with Rear Admiral J.J. McClelland, Commander of the Coast Guard's Fourteenth District and with the Clean Islands Council (oil industry spill response co-op). Under the MOA, the Coast Guard will use one of its four C-130 aircraft at Barbers Point Air Station to fly the State owned Airborne Dispersant Delivery System (ADDS) to a spill site for usage. The Clean Island Council will maintain the ADDS and train personnel for immediate use of the system in the event of an oil spill. This oil spill response capability will allow the State and the Coast Guard to utilize chemical dispersant to fight offshore oil spills. The ability to use chemical dispersant will greatly enhance the State's oil spill response capability for combating oil spills in the Hawaiian Island chain, including locations distant from Honolulu. It is critical that this capability exist immediately after an oil spill occurs to be most effective in keeping the oil from reaching Hawaii's beaches. Dependency on mainland aircraft would delay operations for several days.

The State purchased the ADDS with funds from the Environmental Response Revolving Fund. The Coast Guard, HEER Office, and Clean Island Council (CIC) execute an airborne dispersant delivery system drill, annually. This partnership is an added deterrent against the devastating impact that a large oil spill could have on Hawaii.

2.2.2.4 Hawaii Emergency Planning and Community Right-to-Know Act

The HEER Office collected \$34,500 through 6/30/01 in Tier II reporting fees. As authorized by Act 260, SLH 1997, these fees were deposited into the Environmental Response Revolving Fund. The Department of Health received the budgetary approval from the 1999 legislature to distribute the fees collected to the Local Emergency Planning Committees (LEPCs) for their use in emergency planning. Each county LEPC was provided with \$15,000 towards their operational expenses for emergency planning.

Members from the LEPCs (Honolulu, Kauai, Hawaii and Maui counties), Hawaii State Emergency Response Commission (HSERC), and other state, private and federal agencies attended a two day Exercise Design Course in July 18-19, 2000, in Honolulu, Hawaii. This was in preparation for the Maui 2000 Hazardous Materials Exercise that was later named "Operation Waikapu." The Maui exercise involved the use of a "stinger" to off-load fuel from an overturned tanker truck. It took place on September 20, 2000. Members from the Honolulu, Kauai, and Hawaii County LEPCs and the HSERC attended the Millennium 2000 Hazardous Materials (HazMat) Explo in December 10-16, 2000 in Las Vegas, Nevada. This is a hazardous materials training conference for representatives from industry, medical, radiological, local emergency planning committees, first responders and other environmental agencies and advocates. The HazMat Explo was created in response to State Emergency Response Commission and Local Emergency Response Committee members' requests for a conference that would provide training in solutions to problems that hazardous materials pose.

At the November 17, 2000 HSERC meeting, members approved funding of \$17,645 for a project to update the Kauai LEPC Hazardous Materials Response Plan and to conduct a tabletop exercise. Of the total amount of \$17,645, twenty percent (20%) or \$3,529 was funded by the HSERC and eighty percent (80%) or \$14,116 was funded by the U.S. Department of Transportation's Hazardous Materials Emergency Planning Grant that is managed by the State Civil Defense. The contract was executed on April 12, 2001. Members from the Honolulu, Kauai, and Hawaii County LEPCs and the HSERC attended the annual meeting of the National Association of SARA Title III Program Officials (NASTTPO) on April 16-21, 2001 in Atlanta, Georgia. This meeting provides a setting for interaction and the sharing of ideas, problems, and solutions with other people responsible for implementing the federal Emergency Planning and Community Right-to-Know Act (EPCRA). NASTTPO works with other organizations and federal, state, tribal, and local agencies with an interest in EPCRA and keeps its members informed about issues, legislature and regulatory developments affecting EPCRA. It studies EPCRA issues and comments on federal s such as DOT, EPA, FEMA, and OSHA draft rules; it issues papers produced by such federal agencies; and comments on budget actions which affect implementation of EPCRA.

2.2.3. Improve Oversight and Response to Contaminated Sites.

2.2.3.1. Response Contracts.

Chapter 128D, Environmental Response Law (ERL), of the Hawaii Revised Statutes (HRS), specifically mandates the Department of Health (DOH) to undertake response actions whenever any hazardous substance, pollutant and/or contaminant, including oil, are released or there is a substantial threat of a release into the environment that may present a substantial threat to the public health, welfare, or to the environment. To implement the requirements of Chapter 128D, ERL, the DOH, Hazard Evaluation and Emergency Response (HEER) Office solicited the qualifications of several environmental companies. After an extensive evaluation, two companies were selected in 1998.

A time-critical emergency environmental response contract was awarded to the Pacific Environmental Corporation (PENCO) and the non-emergency environmental response contract was awarded to Ogden Environmental and Emergency Services Company Incorporated. In FY 2001 both contracts were extended and both companies provided response services for the HEER Office.

2.2.3.2. Initial Site Screening Team - ISST

The Initial Site Screening Team, composed of members of the Site Discovery, Assessment and Remediation (SDAR) Section, has been screening suspected contaminated sites for the last four years. The ISST screening is one tool used by staff in the HEER Office to determine the potential risk to public health, welfare and environment including natural resource damages that may be posed by contamination or associated with exposure to the contamination. Knowing the cleanup priority and complexity of the contamination aids staff in their determination of the most appropriate and applicable cleanup technologies. Every site that comes to the ISST is screened and assigned a priority of either high, medium, low. Also the determination that, "no further action (NFA) is necessary", is also a decision made by the ISST. Potential Responsible Parties (PRPs) connected with contaminated sites are notified by letter reporting the priority ranking of their sites. Sites that are ranked medium or high priority by the ISST may be assigned to a State Remedial Project Manager (RPM). Low priority sites generally do not have site managers assigned to them at this time. Some sites eligible for further investigation under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) are assigned to personnel in the Preliminary Assessment/Site Investigation (PA/SI) group. Sites that are ineligible under a CERCLA may still be eligible under the State program and are sent to the ISST for assessment. During FY 2001, the ISST completed the screening of 15 sites with the following prioritizations: 5 high priority sites; 1 medium priority sites; 2 low priority sites; and 7 no further action (NFA) sites.

2.2.4. Develop and Improve Usage of the Voluntary Response and Brownfields Programs

2.2.4.1. Voluntary Response Program (VRP)

Hawaii's Voluntary Response Program (VRP) was established by statute in 1997 (Chapter 128D, Part II, HRS). The VRP encourages voluntary cleanup of contaminated properties. The DOH has the authority to grant prospective purchasers or developers an exemption from future liability if cleanup is performed to DOH specifications under the program. Current or past property owners can participate in this program, but exemptions from liability can only be given to future purchasers. Completion of the voluntary cleanup action is accompanied by a Letter of Completion, issued by the Department of Health and recorded on the property deed. During FY 2001 the number of VRP sites increased from seven to nine projects, with more applications expected should the State's economic outlook improve. Currently, only one Letter of Completion (LOC) has been issued in September 1999 to the Home Depot Project.

Staff in the HEER Office took part in the following activities for the VRP FY 2001:

- Continued project management for nine (9) active VRP projects.
- Attended an EPA Region IX Brownfields Pilots Workshop in June 2001.
- Working to develop Voluntary Response Program policies and procedures.

2.2.4.2. Brownfields Program

In FY 2001, the Department of Business, Economic Development and Tourism (DBEDT), with the assistance of the Department of Health, began the implementation of a Brownfields Pilot Assessment grant of \$200,000 from EPA. This project developed an inventory of potential Brownfields sites that are owned by state and county agencies, including redevelopment agencies. Stakeholder agencies and community organizations have been involved in prioritizing these sites and have identified the top six sites which will be eligible to receive environmental site assessment in FY2002 with available grant funds. The group further prioritized to the top twenty-five sites that could receive assessments and possibly, cleanup funds in the future. This grant is administered and coordinated by DBEDT, and DOH provides technical and the site assessment work support. During FY 2001 the DOH HEER Office continued focusing on the promotion and coordination of a comprehensive Hawaii State Brownfield Initiative in coordination with EPA Region IX and DBEDT. Activities included:

- Planning for the Brownfield's Hawaii 2001 conference, held in Honolulu in October 2001, with EPA Region IX and the State of Hawaii Department of Business, Economic Development and Tourism as co-sponsors with the DOH.
- Networking with EPA, State and County, business and other agency personnel to discover all of the resources and personnel available to assist in Brownfield's redevelopment.
- Meeting with representatives of private developers interested in potential Brownfield's development.
- Providing encouragement for other State Brownfields partners to apply for Brownfields Environmental Job Training and Development Pilot Grant and Brownfields Cleanup Revolving Loan Fund Grant.

2.2.5. Improve Office Operations, Policy and Administration.

2.2.5.1. Management

The HEER Office Manager encourages the section supervisors to be self-directed. This allows the section supervisors to focus their efforts precisely on their respective areas of responsibility. In addition, the training budget was increased in FY 2001 aiding in the development of skilled and qualified staff.

2.2.5.2. Planning Section

The Planning Section is involved in many diverse office operations and serves to support the entire office with long-term planning, program development, financial, data management, logistical and legislative expertise. The planning section maintains personnel with both practical and scientific educational backgrounds. Office-wide planning, program development and data management are foremost in this section's support of office operations. Staff working in this section, play an important role serving office-wide in the coordination and support of the legal, administrative, legislative and technical documentations necessary for implementation of Chapter 128D, Environmental Response Law and other related mandates. Documents generated and/or coordinated through the Planning Section in FY 2001 include:

- The 2000 Annual Report to the Legislature to comply with Chapters 128D and 128E.
- The Federal Combined Superfund Grant.
- Quarterly status and financial reporting for the four programs receiving federal funds through the Combined Superfund Grant.
- Quarterly reporting of HEER Office purchases from Hawaii's minority owned and/or women owned Business Enterprises.
- The HEER Office Annual Expenditure Plan; and
- Updates to the HEER Strategic Plans.

A major goal of the Planning Section is to assist the other sections, to have into place regulations, policies, guidelines and procedures for responding to releases of hazardous substances, pollutants or contaminants.

The Planning section is responsible for identifying resource and training needs to ensure that all HEER staff has the capabilities to function in the protection of human health and the environment.

2.2.5.3. Data Management and Integration

The Hazard Evaluation and Emergency Response (HEER) Office maintains three major categories of information in its databases:

- Releases – Records of the chemical spills reported;
- SiteList – Records of State Superfund cleanup sites; and
- HEPCRA– Records of chemical facilities reporting under the Hawaii Emergency Planning and Community Right-to-Know Act (HEPCRA).

This data is maintained in a Microsoft Access database on the Environmental Health Administration's local area network (LAN). Each record in the database corresponds to a physical file. In addition, the database is used in tracking workflow throughout the office, in particular contaminated site handoff between separate HEER sections. The database has been used for file retrieval since its inception and this type of use is routine. The office is currently improving the workflow of the database and in the future, the database will be used to summarize the contents of the physical files in addition to merely indexing them. During FY 2001, a database task force was created and work was initiated in the following areas of data management:

- Data Integration,
- Data Quality,
- Site List Database Development,
- Website Capacity.

2.2.5.4. Data Integration

A reorganization of the physical files was initiated during FY 2001. This on-going project involves consolidating all related physical records with their corresponding electronic records with a consistent labeling and filing process. Two major databases used by the HEER Office were consolidated, HEPCRA and SiteList. Plans have been set to have the three databases consolidated by October 2001. In addition, the Facility Identification Template for States (FITS) was integrated into the consolidated database. The FITS was developed for the States and EPA to integrate identification information about sites of environmental interest. During the summer of 2001, the physical and electronic records for the Honolulu Harbor' Area-Wide Contamination were reorganized.

2.2.5.5. Data Quality

Concerned about the confidentiality, uniformity and consistency of medical information, the HEER Office decided to take the database off the Internet website in late 2000. The database was reviewed and purged of inappropriate medical information such as any references identifying individuals or associating individuals with medical information that could be misinterpreted or discriminatory. Much effort went into a re-edit and revision. On October 24, 2000, a physical file recall was held in the HEER Office to consolidate fragmented records that were stored in staff cubicles. This recall was a great success.

2.2.5.6. Site List Database Development

The database task force worked on defining the modules and fields needed for the SiteList database. Portions of the database were cleaned up in an effort to provide a list of the State and county sites for the Department of Business, Economic Development and Tourism (DBEDT) Brownfields Assessment Pilot Grant. In addition, the database task force established geographic information standards for the HEER record.

2.2.5.7. Website Capability

An ongoing challenge is the expansion of website capabilities. We are developing the HEER database to function within an Internet platform. This will give the HEER Office the ability to exchange information and technology worldwide. The database in an Internet platform will lend itself well to sharing Geographic Information. We continue to keep up-to-date with the geographic Information System (GIS) technology.

2.2.6. Develop a Chemical Accident Release Prevention Program.

2.2.6.1. Clean Air Act (CAA) 112(r) Program

The State of Hawaii took on the responsibility of implementing the Clean Air Act, Section 112(r), and Risk Management Program (RMP) in 2001. The focus of the CAA 112(r) program is prevention and preparedness through the detection and prevention of accidental releases of hazardous chemicals that could cause harm to the public and the environment.

In September 2000, an EHS IV was hired into the RMP Coordinator position that had been approved by the 1999 Legislature. The RMP Coordinator attended required trainings to become qualified in performing adequate inspections and audits.

During FY 2001, the RMP Coordinator focused on establishing the program, identifying covered facilities and working on the preliminary stages of drafting necessary legislation. Until the state statutes and rules are established, EPA will deputize Hawaii's RMP Coordinator, bestowing the authority to conduct facility inspections and audits. EPA's RMP was initiated as a result of the 1984 catastrophic chemical release at a The Union Carbide plant in Bhopal, India, which killed 2,000 people and injured as many as 200,000 people. A 1990 study was conducted comparing mid-1980's U.S. chemical incidents to the Bhopal tragedy and it was discovered that of the 26 incidents, 17 of them could have been more fatal than what occurred in Bhopal. Factors such as weather conditions, facility location and swift evacuation procedures had prevented greater disasters from occurring.

A 1999 study showed that approximately 605,000 unique chemical incidents occurred between 1987 and 1996. Ninety-five percent of the nearly 3,300 U.S. counties reported incidents. Approximately, twenty-nine percent of these incidents resulted in at least one death or injury, evacuation of workers and/or public, or property damage.

Of the 14,500 Risk Management Plans (RMPs) submitted to EPA in 1999, eight percent of the filing facilities had at least one accident between 1994 and 1999. The facilities disclosed a total of 1,897 injuries, 33 worker deaths and 141 injuries to non-employees. In addition, more than 220,000 community residents were involved in evacuation or shelter-in-place incidents, and reported property damages were estimated to more than \$1 billion. Closer to home, on November 22, 1999, an incident occurred in Hawaii involving the release of sulfuric acid mixed with chlorine bleach.

The mixture created a plume of toxic gas. Approximately 35 tons of chemicals leaked out of a corroded drainage pipe located at Brewer Environmental Industry in Campbell Industrial Park. Fortunately, there were no injuries reported. The spill did not contaminate the drinking water nor did it pose a threat to the public. Although the event was not catastrophic, the release could have been avoided if routine maintenance was done. In the future, should a similar situation arise, Hawaii may not be as fortunate and casualties may be involved. Incidents such as this are a prime reason why it is vital for RMP facilities to be monitored by the State.

2.2.6.2. Hawaii Pipeline Corrosion Control Coordinating Committee

This Committee was formed within the DOH for administrative purposes for two years in compliance with Act 148, SLH 1997. Act 148 SLH 1997 sunsetted on June 30, 1999; however, the pipeline operators continue to meet quarterly to promote pipeline safety. A depository for pipeline maps has been established with the intention that the information be placed into the planned Environmental Geographic Information System (GIS). The committee acts as a forum to share information and technology. A database has been created to facilitate cathodic protection testing and interference mitigation of pipelines. The State Department of Transportation's Office of Pipeline Safety provided training for pipeline operators.

2.2.6.3. Four Counties' Used Oil Collection Programs

The HEER Office budgeted \$264,500 for the DOH's Office of Solid Waste Management (OSWM) to use for waste oil and hazardous waste education and outreach and to provide the four counties with funds for their Residential "Do It Yourself" Used Oil collection programs. These funds cover a portion of the cost for the operation of the collection centers on the neighbor islands and the provision of "Oil Eater Boxes" to residents on Oahu. Technical guidance on the best management practices regarding used motor oil is also provided to recreational boaters and other small generators as part of the OSWM program.

2.3. FY 2001 Responses

During FY 2001, the HEER Office responded to 222 of the 465 notifications reported, The Appendix "A" Release Notification Log, contains a listing of each of these notifications during the year. Many of these notifications were for small spills that were resolved in less than one day.

The HEER Office also has a number of contaminated sites that require significant time and/or resources to resolve. Appendix "B" State Site List contains a listing of these sites along with pertinent information. Sites of particular interest, which were managed by the HEER Office during FY 2001 including those at which the HEER Office provided assistance to other State programs, are summarized in the following pages.

2.3.1. Significant Site Summaries from the Emergency Response Section

2.3.1.1. Honolulu Harbor Area-wide Contamination

In FY 2001, the Honolulu Harbor Participating Parties (HHPP) began to work on pollution prevention measures and mitigation of pollution response actions at the Iwilei Unit of the Honolulu Harbor Area-wide Contamination Site. The primary response was focused on the petroleum contamination and measures to prevent continuing petroleum releases to the environment. The Hawaii Department of Health (DOH) approved voluntary cleanup activities to address source control, containment, and emergency response measures necessary to ensure that existing subsurface petroleum contamination and hazardous substances were not released or did not spread into the environment.

The existing petroleum contamination exists as hydrocarbon liquid (e.g. gasoline, diesel, black oil, fuel oil) and constituents. The cleanup measures are focused on preventing the contamination of groundwater within the Honolulu Harbor area. In the agreement with the HEER Office, the HHPP is applying cleanup measures and working toward control, containment and eventual removal and/or remediation of the region-wide subsurface contamination for the entire site instead of targeting individual properties separately. Under the agreement, the participating group is conducting source control measures, containment of contamination, and emergency response removal work on a voluntary basis. The DOH will provide oversight of these measures:

- **Source Control** - Actions taken to prevent and ensure that oil releases from pipelines, storage tanks, transfer operations, or enter storm water drainage systems or surface areas during day-to-day operations. Implementation of this action may be in the order of spill containment, spill prevention measures, inspections, preventative maintenance, tests, operational controls, or those means necessary to mitigate the potential for release on-site as well as off-site.
- **Containment** - Actions taken to secure all contamination, sources of contamination, and potential sources of contamination whether currently existing or occurring in the future on site. Response activities such as barrier construction, sheet pile walls, slurry walls, intercept trenching, leaching product recovery systems, pump-n-treat systems, plug & dike sorbent technologies, in-situ biological or physical/chemical processes, storm water re-routing programs to name a few, are potential examples to prevent the further spread or movement of oil from the site. Containment priority should be based on those problematic areas identified from past spill history, surveys or that are presently releasing into the environment on a continual basis.
- **Response Actions** - Actions necessary to ensure that proper release notification is made to federal, state, and local response agencies, and to effectively mitigate and cleanup the release of oil or hazardous substance occurring or originating on the site by the responsible party.

2.3.1.2. Puuwai Momi Mercury Spill, Oahu

On March 12, 2001, HEER Office received a telephone call from the City and County Honolulu Fire Department, Hazardous Materials Team (HazMat), reporting that children had brought mercury to a school and that the Puuwai Momi Housing complex, a state-managed housing complex, was contaminated with elemental mercury. Seventy-one out of a total of 261 housing units were identified as contaminated and underwent some degree of cleanup by the HEER Office between March 12, 2001 and April 6, 2001. Disposed were any household items contaminated with mercury, soil, and personnel protective equipment used during the cleanup. Approximately 4.4 pounds of free elemental mercury were recovered.

The source of the mercury contamination was a flow meter in an abandoned water pump station, formerly utilized by the Navy. The flow meter reportedly contained approximately 54 pounds of elemental mercury. Since 1962, the State of Hawaii has owned the property. Currently, the State Department of Land and Natural Resources (DLNR) is considered the owner for the State and the State Department of Defense is considered the operator. The HEER Office conducted response actions at the former pump station between June 21, 2001 and July 6, 2001. Approximately 30 pounds of free mercury was recovered as a result of the cleanup at the pump house. The total response cost was \$622,462.56. DLNR will be seeking funds to reimburse the Environmental Response Revolving Fund (ERRF) in the upcoming Legislative session.

2.3.1.3. Environmental Crimes Task Force.

HEER Office's SOSCs have continued to meet with the Environmental Crimes Task Force that is co-chaired by the Assistant U.S. Attorney, the State Attorney General's Office, and the resident EPA Criminal Investigation Special Agent. The members of the Task Force represent federal and state agencies overseeing environmental programs. Criminal activity of interest usually involves the intentional release of hazardous substances or their storage and transportation in a manner contrary to law in an effort to eliminate disposal costs. The interaction and teamwork between members has started to produce results.

2.3.1.4. West Coast Cleaning & Preservation, Inc., Truck 130 TPD Spill.

On March 6, 2001, 750 gallons of bilge water was released from a tanker truck onto Kilihau Street, and eventually entered Moanalua Stream. The HEER Office responded by conducting the appropriate emergency response. The cost for cleanup, \$44,533.31, was funded through the Environmental Response Revolving Fund (ERRF). The HEER Office, through the Office of the Attorney General, initiated cost recovery enforcement actions and the responsible party reimbursed the ERRF for the entire cost of cleanup.

2.3.1.5. United Laundry Chlorine Gas Release.

On August 10, 2000 the HEER Office responded after the Honolulu Fire Departments Hazardous Materials Unit 1 notified the HEER Office concerning a chemical spill at the commercial laundry facility. The SOSC discovered during a normal delivery and transfer of chemicals to the facility, 55 gallons of 12% sodium hypo chlorite (Ultra Chlor) had been added into a 200-gallon storage tank containing 35% phosphoric acid (High Sour). When combined these chemicals created 20 pounds of a highly hazardous chlorine gas. The laundry facility was forced to evacuate their 140 employees. To determine the source of the release an entry team dressed out in Level A personal protective equipment (PPE). HEER personnel remained on site until the source of the release was sealed and removed. Air monitoring was conducted to ensure employee safety before reentry.

2.3.1.6. Bio-Terrorism Hoax, Three Mail Threats.

On August 11, 2000 the Honolulu Police Department notified HEER SOSC about three anthrax threats they had received involving suspicious mail. The mail was suspected to be laden with anthrax spores. The HEER Office SOSC discussed the situation with FBI and initiated a response team to sample the mail. Samples were analyzed at a military laboratory. The laboratory analysis verified that the samples did not contain any biologic agents. The person or persons responsible for these threats were never determined. The case was turned over to the FBI.

2.3.1.7. Tesoro Hydrogen Sulfide Release.

On August 26, 2000, the National Response Center notified the HEER Office that there had been a release of 100 pounds of hydrogen sulfide and sulphur dioxide at the Tesoro refinery located at 91-325 Komohana Street in the Campbell Industrial Park. An SOSC from the HEER Office determined that the release was due to a hole in a pressure vessel, which caused equipment to malfunction, and resulted in the release. Tesoro was directed by the SOSC to shut down the equipment and make the necessary repairs. Tesoro was asked to submit a written report to the HEER Office describing how the incident occurred; what measures would be taken to avoid future releases, a description of their response/repair activities, and the costs associated with the emergency.

2.3.1.8. Kekaha Sugar Mill

On April 3, 2001, a cleanup crew contracted by DOH, working on a portion of the Kekaha Sugar Mill site property observed oil leakage and notified the HEER Office. Used oil was observed leaking from pipes on the Kekaha Sugar Mill property in a cleanup pit known to be located directly over groundwater. The HEER Office received a release notification letter from the Kekaha Sugar Mill on May 11, 2001. At that time, the Brewer Environmental Services was contracted by representatives for the Kekaha Sugar Mill and the Amfac Land Company to investigate the contaminated property.

When the property transferred from Kekaha Sugar Mill to Amfac Land Company on May 8, 2001, the new owners assigned their company president, Tamara Edwards, as a point of contact for cleanup and property issues. In the property transfer, the owner of the property is required to contact the HEER Office for oversight of the cleanup plans of an existing aboveground storage tank (AST). Brewer Environmental Services will contact the HEER Office with cleanup plans for an existing AST. The aforementioned AST and the surrounding area are part of a larger Amfac cleanup plan.

2.3.1.9. Illegal Dumping on All Islands.

The HEER Office continually receives reports of drums abandoned on the sides of the road and in remote places. The contents are leaking and often and may contain waste petroleum, used cooking oil and grease trap waste, or hazardous wastes. Illegal dumping and improper disposal continue to be problems in the community.

2.3.2. Summary for Oiled Wildlife Response

The purpose of having an Oiled Wildlife Response Program is to provide assistance to wildlife harmed by an oil release. Program development and response technology study continued during FY 2001. The Oil Wildlife Coordinator participated in annual oil spill drills. The HEER Office continued to support preparedness efforts for the protection of wildlife in the event of an oil spill. Other program's participating in the Oiled Wildlife Response Program are DLNR, CIC and Coast Guard Marine Safety Office (MSO).

2.3.3. Hazard Evaluation Section

During the year, the HEER Office received over 400 inquiries from the public regarding health concerns and exposure hazards. Courteous and qualified personnel working in the Hazard Evaluation Section who are providing this service for communities handle these calls.

2.3.3.1. Toxicologists

During FY 2001, DOH toxicologists from the HEER Office provided consultation and technical support to government agencies and the public. These Toxicologists were expedient in providing critical information for high profile health concerns as well as the more common notifications. Many inquiries to the HEER Office are referred to one of two toxicologists on staff, for a recommendation on how to deal with a wide range of public health concerns.

2.3.3.2. Ecological Risk Assessor

A competent and skilled Ecological Risk Assessor is a critical requirement for accurate evaluation and assessment of public health and the risks associated with an exposure to a hazardous substance.

The HEER Office acknowledged the necessity and felt the constraints as the position remained unoccupied due to a shortage of such skills and a failure to attract eligible applicants.

2.3.3.3. Inquiries of Significant Public Health Concern

The Hazard Evaluation Section staff responds to inquiries concerning potential adverse health hazards. Inquiries may include questions regarding heavy metals (i.e. mercury, lead, arsenic), pesticides, indoor air and outdoor air, and other environmentally related illness. Information is often provided to private citizens, businesses, schools, other State and local agencies, as well directly to the Director and Deputy Director of Health. Toxicologists in the Hazard Evaluation Section addressed a variety of inquiries in FY 2001. The following are summaries of incidents with high political or media visibility and inquires of significance.

2.3.3.4. Incidents with High Political or Media Visibility

The HEER Office toxicologists often handle inquiries that draw attention in the political arena. Because of their sensitivity, these incidents can, bring the media into the picture. When this happens good communication skills becomes critical so as not to cause alarm especially when the average person can easily misinterpret technical or scientific research. The scientists in the Hazard Evaluation Section are well skilled in their respective areas and bring that expertise to address the issue at hand. The following incidents provide some example.

- Lava Trees and Kaloko State Parks, Island of Hawaii
To combat an infestation of noisy and possibly ecologically damaging Puerto Rican coqui frogs on the Big Island, the Department of Agriculture's Pesticides Branch determined that a strong solution of caffeine in water was the most effective spray to kill frogs. A HEER Office toxicologist assisted the Pesticides Branch with its application to the U.S. Environmental Protection Agency for permission to use caffeine as a pesticide.
- DeCorte Park, Honolulu
A HEER Office toxicologist demonstrated to KITV and the Kalihi Neighborhood Board that a Hawaiian Electric Company substation was generating electric and magnetic fields (EMF) that were weaker at the location of the parks playground equipment than small children would be exposed to in their own homes.
- Oahu and the Big Island
The deaths of five people in Cleveland, Ohio, from a fungus infection in their lungs was linked to a rare specie of fungus, *Stachybotrys*, which bloomed as mildew on the walls of their homes. A HEER Office toxicologist informed The Advertiser and fielded 14 phone calls from the mildew-fearing public after ABC TV News ran a Special Report on it. The fungus has not been identified in Hawaii.
- Nuuanu Cemetery's Crematorium, Honolulu
The Neighborhood Board and parents of children at Waolani Judd Preschool were worried about the possible health effects of the gases emitted from the stacks of Nuuanu Cemetery's crematorium, which serves all of Oahu. The Clean Air Branch and a HEER Office toxicologist spoke at a Board meeting.

- Kekaha Gardens, Kauai
A State Representative and Helen Altonn of the Star-Bulletin inquired about a possible cluster of cancers in Kekaha which certain alarmed citizens claimed were due to the suburb having been built on the site of an old landfill. The DOH Office of Solid Waste confirmed that there were no old landfills near the suburb, and the pattern of the reported cancers (low number of cases, age of cases, widely varied cancer types) did not appear to be a cluster.
- Lanikai, Oahu
A State Representative and Jane Pascual of KRTR Radio inquired about the possible health effects of an array of cellular-phone antennas on a hill in Lanikai. A HEER Office toxicologist reassured them that health effects were not possible, during a one-hour roundtable discussion on the radio.
- Kamoku Street Substation, Hawaii Electric Company, Honolulu
HEER Office toxicologist reviewed the structural and engineering plans for the renovation of the substation, by request from Hawaii Electric Company (HECO's) contractor, Kai Hawaii Inc. The substation will have new, underground, high-voltage power lines running into and out of it, which will emerge above ground and run up Waahila Ridge. The Neighborhood Boards and some residents of Palolo and Manoa are against this power line installation, and a review for possible health effects was necessary. The DOH has no objection.

2.3.3.5. Assistance Provided To Government Agencies

Just as private citizens have concerns and inquiries for the HEER Office, Governmental agencies utilize the staff in the Hazard Evaluation section as a scientific resource in determining the most appropriate way to address many issues in Hawaii. The following incidents are examples of some of the issues government agencies are seeking advice from the HEER Office.

- Lumahai Beach, Kauai
A toxicologist advised the Department of Land and Natural Resources on a Phase I Environmental Assessment, to clear the way for the State's acquisition of this famous beach.
- Mililani Mauka Elementary School No. 2, Oahu
The Mililani Mauka Elementary School will be a site in the future. The Department of Accounting and General Services had the site evaluated by EnviroServices, environmental consultant. A HEER Office toxicologist advised EnviroServices on soil analysis for pesticide residues from former agricultural activities.
- Toxicological Advice to DAGS
Advice to DAGS involved a future addition to Lahaina Intermediate School on Maui, a future 4.5-acre playfield at Waihee Elementary School on Maui, and the safety of using Spray Polyurethane Foam on the roofs of public school buildings and libraries.
- Princess Ruth Keelikolani Building, 830 Punchbowl, Rooms 323-324
The Hawaii Department of Labor's offices had a floor repair job done using a caulking compound that vaporized air pollutants (ethyl benzene, xylenes, and 1,2,4-trimethyl-benzene), which affected the health of employees. Employees from the

adjacent work areas were moved elsewhere in the building, until a HEER Office toxicologist could measure the levels of air pollutants and calculate health-protective levels for those substances. The employees were allowed to return three months later, when the levels had decreased enough to be a negligible health risk.

- Hawaii State Library, Main Library and Five Branches
A toxicologist in consultation with concerned public officials representing the Hawaii State Library provided professional advice on the possibly low health hazards associated with bathroom deodorant blocks. The HEER toxicologist identified the chemical compound found in the blocks as Para-dichlorobenzene, and discussed the fact that research indicates that long-term exposure to the blocks can cause cancer in the tested animals.
- HPD, Waikiki Substation, Royal Hawaiian Shopping Center
A toxicologist sampled the substation for lead dust, which might have entered the workspace from an adjacent business, which is a pistol firing range, which caters to tourists. Lead dust was only present near a back door, far from women employees of childbearing age that have been shown to be have the highest risk from long term exposures.
- Kamakoi Place, Kahaluu
Honolulu Fire Department responded to a fire in a pesticide storage area, and the firemen's suits were contaminated with pesticides and their pyrolysis by-products. A HEER Office toxicologist pronounced the suits as irreparably contaminated and unsalvageable due to the presence of Ziram, a fungicide.
- Waimanalo, Oahu
The Department of Agriculture's Pesticides Branch detected residues of malathion and its byproduct, malaaxon, in a residence's living-room air and on the plants outside the residence's kitchen windows, following the spraying of malathion at an orchid farm which was more than 100 feet upwind. A toxicologist calculated that the levels of pesticide in the indoor air, if inhaled, were not a threat to the health of the children and adults residing there.
- Mauna Kea Observatory, Hawaii
The Keck Telescope lens has 30 pounds of mercury underneath it, as a cushion. The National Aeronautics and Space Administration planned to build another system of telescopes, the Outrigger Telescope project, involving still more mercury. A Hawaiian group questioned the Office of Environmental Quality Control about the possible contamination of groundwater from mercury spills.
A toxicologist reviewed documents on these telescopes and found that there is no groundwater that high, but only far down the mountain. The Observatory workers drink water that is delivered by truck.
- Honolulu Airport
Australia requires the spraying of pesticides in the cabins of inbound airliners to kill insects before landing. The Department of Transportation and several U.S. airlines asked a HEER Office toxicologist whether the spraying could be done on the ground before takeoff, when the cabins could be more easily flushed with ground-level air and the passengers' pesticide exposure could be reduced. Unfortunately, while an airliner is sitting on United States soil, there are no pesticides approved by the U.S. Environmental Protection Agency for use on airlines.

- All Shorelines

Two poisonous sea snakes recently washed up on windward Oahu shorelines, one of which was found by small children. Also, a cobra was found at Honolulu Airport. Sea snakes live in the South Pacific near Australia, but not Hawaii. A HEER Office toxicologist assisted Mr. Duane Meier of the Honolulu Zoo by tracking down a local snakebite expert (Tripler Hospital) and a U.S. source of sea snake antivenin anti venom. Mr. Meier managed the difficult part -- planning for the extremely unlikely event of a poisonous snakebite in Hawaii.

2.3.3.6. Toxicological Incidents of Significance

A wide range of response and remediation issues are discussed in the HEER Office. The incident specific decisions that are made on a daily basis require staff to continue studies in science and technology. The toxicologists are a valuable resource within the HEER Office to the Emergency Response and Remedial sections. The Toxicologists are instrumental in providing information that help form the basis for the decisions that are made in determining the risk to human health and the environment caused by exposure to hazardous pollutants and/or oil and there for the Toxicologists indirectly help in determining when a incident site can or cannot be determined safe. The following are some of the issues project managers bring to the toxicologists for discussion and advice.

- Kaneohe Safeway PCB Spill

The HEER Office toxicologist worked with EPA Region IX to establish a cleanup level for PCB contaminated sediments within Kanehoe Bay. The newly established cleanup levels will be used by Safeway who is currently working with the DOH Clean Water Branch to obtain the necessary permit to begin dredging the PCB contaminated sediments.

- Servco Pacific-Informational meetings

The HEER Office toxicologist held meetings with workers from Servco Pacific. The facility is located on a former wood treatment site. Pentachlorophenol, arsenic, chromium and dioxins have been detected in soil and groundwater. The health risks from exposure to the contaminated soil were communicated to the workers. However, since most of the site is currently covered, the professional opinion of the HEER Office toxicologist is that the health risks are insignificant. Risk communication materials were distributed to the workers to address their concerns.

- Reevaluation Contract of the State MCL of 1,2,3-Trichloropropane

A contract was awarded to the Sapphire Group, Inc. to reevaluate the State Maximum Contaminant Level (MCL) for 1,2,3 trichloropropane (TCP), a contaminant in Hawaii's drinking water. Currently the MCL for TCP is 0.8 parts per billion (ppb). The U.S. Environmental Protection Agency has yet to establish a federal MCL for TCP and therefore could not be used as a starting reference. In addition, the current State MCL for TCP was established before it was known to cause cancer in laboratory animals. The HEER Office toxicologist was instrumental in awarding the Sapphire Group, Inc. a contract for the following responsibilities:

1. Establish an updated health based limit for TCP,
2. Provide information on the feasibility of treatment and monitoring,
3. Conduct a public health impact assessment after the standard is revised,
4. Provide risk communication services.

- Air Quality at Campbell Industrial Park
The HEER Office toxicologist evaluated the DOH Clean Air Branch's (CAB) Annual Summary of Air Quality Data for the Campbell Industrial Park (CIP) Area, 2000. The CAB used the professional evaluation in their annual air quality report for the CIP area.
- Federal Facilities Review
A toxicologist reviewed work plans, risk assessments and remedial investigations for federal facility sites. These sites include Manuwai and Kumumauu Canals on Hickam Air Force base, a landfill at Bellows Air Force Base and Kipapa Fuel Storage Annex, part of the Hickam POL.
- Hilo Soccer Field
A toxicologist evaluated the risk associated with exposure to polycyclic aromatic hydrocarbons (PAHs) in surface soil at the Hilo Soccer Fields. A recent flood deposited PAH contaminated sediments on the surface of the field. Several carcinogenic PAHs were detected above Hawaii State and Federal action levels. It was recommended that children and adults avoid exposure to the PAH contaminated silt. The soil will be tilled and covered with clean fill.
- Mercury spill at Halawa
In March 2001, a staff member of the HEER office spoke with the teachers and staff at the Aiea Elementary School about mercury and its adverse health effects. After addressing their concerns, information on mercury was distributed to them. The staff members of the HEER office received numerous inquiries regarding the mercury exposure incident at the Puuwai Momi housing complex in Aiea. The risk assessment section of the HEER office took these calls and answered inquiries regarding mercury.
- Methyl Mercury Risk Assessment for Locally Caught Fish
On January 12, 2001, the U.S. EPA and the Food and Drug Administration (FDA) sent out a national advisory recommending not eating certain fish due to high methyl mercury concentrations. Both the EPA and the FDA advised pregnant women and women of childbearing age who may become pregnant not to eat shark, swordfish, king mackerel, and tilefish. The federal advisories recommended that nursing mothers and young children not eat these fish as well.

Because of these national advisories, the HEER office looked at the fish data gathered by the Food and Drug Branch during the period from May 1991 to October 1992 and did a risk assessment. The risk assessment involved looking at the methyl mercury levels in these fish data. It was determined that there is a need to conduct further fish sampling and analysis. The state is currently preparing a study to look at mercury levels in local fish around Hawaii. The risk assessment section began to develop a draft advisory on mercury in fish for women who are or may become pregnant, nursing mothers, and young children.

- Mercury and fish
A reporter from The Honolulu Advertiser interviewed a toxicologist from the HEER office in May 2001. This interview provided information for an article educating women in the Islands who are pregnant or might become pregnant about elevated mercury levels in certain seafood such as shark and swordfish. The 1991 to 1992 fish data showed that the levels of mercury in locally caught shark (Mako and Thresher Shark) were consistent with the Mainland numbers. The levels in some of Hawaii's deep sea fish found in 1991 to 1992 were disclosed in the article.

- Waiakea Pond

The Waiakea Pond in Hilo, Hawaii, was contaminated with arsenic released by the former Hawaiian Cane Products Limited cane wallboard plant during 1932 to 1963. Hence, there has been some concern that ingestion of fish from the Waiakea Pond may continue to pose a health risk to long-term residents due to arsenic exposure. The HEER office conducted an investigation in response to this concern. Mullet fish samples were collected from the Waiakea Pond, analyzed for the presence of arsenic, and compared to the control fish samples from the Central Seaside area. The toxicologist with the HEER office evaluated the health risk based upon the analytical results for arsenic in fish tissue samples performed by the Battelle's Marine Sciences Laboratory. The arsenic levels in the mullet fish samples from the Waiakea Pond appeared to be higher than from the control seaside. A follow-up study should be performed and this time as a larger sample size should be used.

2.3.3.7. Hazard Evaluation Issues

- The Volatile Organic Gases (VOG) Grant

The HEER office continued to oversee the U.S. EPA research grant on the VOG Health Assessment Study entitled, "Investigation of Possible Acute Health Effects in Children Exposed to VOG (in Hilo) on the Island of Hawaii" through 12/31/00. This study was an effort to help asthmatic youngsters lead more healthy lives. The HEER office toxicologist reviewed the December 2000 final report on the EPA research grant submitted by the subcontractor at the University of Hawaii. A copy of the report was given to the Deputy Director of Health, the Clean Air Branch, as well as the Environmental Planning Office. The VOG project was added to the Department of Health's Federal Wide Assurance. In May 2001, a non-competing continuation grant application was submitted to CDC for the VOG project for \$120,000 for the year FY 2002 (September 30, 2001 through September 29, 2002). Staff continued to oversee the CDC research grant on the VOG study being conducted by the subcontractor at the University of Hawaii.

- Privacy of Medical Records

In order to comply with Act 87, Chapter 323C, of the Hawaii Revised Statutes on the privacy of health care information, a draft entitled, "Policy and Procedure on Maintaining the Privacy of Medical Records" was established for the risk assessment section. A policy and procedure on fax transmissions containing confidential health information was also drafted. In June 2001, the Lieutenant Governor signed the law to repeal the previous bill on the medical records privacy.

2.4. Site Summaries from the Voluntary Response and Brownfields Programs

2.4.1. Voluntary Response Program (VRP)

The number of VRP sites was increased from seven to nine projects, with more applications expected as the economic outlook improves within the State. Following is a brief summary of the VRP projects:

1. Home Depot, Iwilei, Oahu – 8.9-acre site of the former Dole Pineapple Cannery: A conditional Letter of Completion was issued in 1999 that requires ongoing gas and groundwater monitoring and reporting with additional actions required if needed, to protect employees and the public.
2. 1230 Kapiolani Boulevard, Oahu – 6.2-acre site owned by Evershine X, a limited partnership, on the corner of Kapiolani Boulevard and Piikoi Street: Project on hold until owner decides how they want to proceed on contaminants and media to be included in the final Letter of Completion.
3. A&B Properties, Inc. (an industrial subdivision, next to former Oahu Sugar Mill, Waipahu, Oahu, 40-acre site: A&B Properties preparing draft Response Action Memorandum and selecting consultant for cleanup of lead contamination.
4. 819 Moowaa Street, Kapalama, Oahu – 1.5 acres owned by Ross Trusts: Remedial investigation complete; No further action needed; DOH issued Response Action Memorandum; DOH to issue Letter of Completion upon concurrence of Ross Trusts.
5. 825 Kapiolani Boulevard, Oahu – 0.9-acre site owned by Chuei Shokoh, Inc. next to Flamingo Restaurant: Final Remedial Investigation submitted and Public Participation Plan being developed.
6. 283 Waiehu Beach Road, Wailuku, Maui – 11,250 square foot site owned by Eugene Yee, formerly used by Maui Terminix International as a pest control operation base yard and office: Consultant to implement approved sampling plan.
7. Damon Estate's 120 Sand Island Access Road site (project proceeding under ownership of "Pahounui LLC") – A 3-acre site formerly used by Flynn-Learner as a recycling and scrap metal facility: Attorneys negotiating agreement for scope of work and schedule.
8. Castle and Cooke Homes Managers Drive project, Waipahu, Oahu – the 38-acre residential development on a site next to the Waipahu Sugar Mill that was used for sugar cane cultivation and plantation residences. The City & County of Honolulu transferred the property in exchange for another parcel. "Site Investigation and Remedial Alternatives" and "Public Participation Plan" approved by DOH.
9. Costco's Iwilei Store, Iwilei, Oahu – a 12-acre parcel next to the Home Depot project, Hawaii's first VRP project and site of the former Dole Pineapple Cannery. Bunker C tank and soil excavation completed. Additional investigations scheduled to address the subsurface oil contamination.

2.4.2. Brownfields Program

EPA has funded Hawaii's program development for the Brownfields environmental site assessment projects and program initiative planning since 1996. During FY 2001 the following targeted site assessments were initiated or completed:

1. University of Hawaii, Hilo
Pacific Aquaculture and Coastal Resources Center, Hilo, Hawaii: A phase I environmental site assessment (ESA) was completed, clearing the way for financing and development of the center in Keaukaha, next to the bulk storage fuel terminal at Hilo Harbor.
2. Kakaako Unit 8
The United Fishing Agency and other fish brokers located on Ahui Street in the Kakaako Unit 8 area, Honolulu, Oahu are part of the Fisherman's Wharf redevelopment project by the Hawaii Community Development Authority. In FY 2001 a phase II site investigation, involving field sampling, was conducted as part of the Brownfields redevelopment project. The final targeted site assessment report is expected by March 2002.
3. Kahuku 2000 project at former Kahuku Sugar Mill Site
The former Kahuku Sugar Mill received an environmental assessment under the Brownfields Program during FY 2001. The completed Phase I investigation and Sampling and Analysis Plan (SAP) were used by the property owner, Campbell Estate, to conduct the field sampling.
4. Molokai Community Service Council (MCSC)
This Brownfields applicant is located at the former Molokai Electric power plant in Kaunakakai, Molokai. A phase I and phase II site investigation was conducted in FY 2001 opening the way for MCSC to obtain federal and Enterprise Community and redevelopment funding for a community business incubator and recreation center.
5. Sand Island State Golf Course (proposed)
In FY 2001, property located on Sand Island was targeted for a Brownfields environmental assessment. Phase I and II investigations were completed opening the door for the site to be considered for redevelopment under the Brownfields redevelopment Project. Once an illegal dumping area, the site is being considered for redevelopment as a golf course.

The targeted site assessment provided information for the State Office of Planning to proceed in their effort to gain support for the project. The proposal is to relocate the Ala Wai Golf Course to the Sand Island property, and then redevelop the land where the Ala Wai Golf Course is currently located, for a more varied usage.

2.5. Significant Site Summaries from the Department of Defense State Memorandum of Agreement (DSMOA)

The Department of Defense continued to provide grant monies in support of the HEER Office DSMOA program in FY 2001. Geologic information and technical support were utilized by project managers for federal facilities with ongoing going remediation projects, under the oversight of the DSMOA Federal Grant Program.

2.5.1. Army Installations

Kahuku Training Area

A Preliminary Assessment/Site Investigation (PA/SI) final report was completed for the former transformer sites associated with the former Nike Launch sites at the Kahuku Training Area in February 1996. Polychlorinated biphenyls were detected above the EPA Region IX Preliminary Remedial Goals. Further investigation of the site was performed during FY 1998. However, the nature and extent of contamination have not been confirmed. Additional remediation is planned possibly for FY 2002.

Kipapa Ammo Storage Tunnels

A Preliminary Assessment/Site Inspection (PA/SI) report was completed for the Kipapa Ammunition Storage tunnel in February 1996. Onsite releases of hazardous substances were not observed during this preliminary assessment (PA) nor were records of such releases found in the documents reviewed. Tunnel interiors were not included, as part of this investigation and, therefore, site characterization has not been completed. In addition, a monitoring well at the Air Force's Kipapa Fuel Storage Annex adjacent to the Kipapa Ammo Storage Tunnel had trichloroethylene (TCE), a solvent, detected in the basal groundwater. The source of the TCE and the extent of contamination by TCE are not known at this time. The HEER Office has met with both the Air Force and the Army to encourage their cooperation in the investigation of TCE in the basal groundwater. The Army is evaluating the HEER Office's request.

Pohakuloa Training Area

A site inspection report was reviewed for a vehicle refueling area and the Department of Health concurred with the Army that future remedial activity does not appear to be necessary for this site. The site inspection reports were reviewed for a pesticide storage area, two landfills and a former fire training area and recommended additional characterization of the fire training area for polychlorinated biphenyls (PCBs) and dioxin, testing at Landfill 1 and Landfill 2 for soil gas and methane, and characterization of the soil cover at Landfill 1.

Schofield Barracks

Trichloroethylene (TCE) has been detected in the drinking water wells at Schofield Barracks. The Army has been aerating the water to volatilize the solvent out of the water to protect public health. Additionally, the Army has been investigating the vicinity in order to find the source of the contamination and to eliminate a future threat. To date, the source for the contamination has been found. The Army is proposing as a final remedy, treatment of the contaminated groundwater. Regular monitoring of the wells in the area will continue. A Record of Decision (ROD) was signed for the remaining sites. Work has been completed in repairing the cracks on the landfill cap. The Army resubmitted a request to the EPA to have the site de-listed from the National Priorities List (NPL), and the site was removed from the NPL on August 10, 2000. Regular monitoring of the ground water in the area has shown the level of TCE contamination is fairly constant. A recent landfill inspection has discovered settling and cracks in the landfill cap, which the Army is planning to repair.

Field Station Kunia

Field Station Kunia is an underground communication facility. The station is located one mile south of Schofield Barracks along Kunia Road. The facility is situated in pineapple fields. The site is secured by fence and camera surveillance. In 1994, a 305,000-gallon concrete underground storage tank was removed. During removal, it was discovered that there was an uncontrolled release of diesel. Some removal of contaminated soil was conducted. Initial investigations failed to properly delineate the full extent of the contamination. In March 2000, the Army conducted further subsurface investigation by drilling fifteen borings. The investigation was to delineate the vertical and horizontal range of the fuel hydrocarbon plume.

Borings were drilled to approximately 200 feet below grade. The Remedial Investigation report showed that there was significant diesel oil contamination in subsurface soils. DOH reviewed the report and recommended to the Army that a cap be installed over the area, which has diesel oil contaminated subsurface soil.

Tripler Army Medical Center Landfill

The Tripler Army Medical Center (TAMC) Landfill is located on the west side of the TAMC installation. The landfill was active from 1947 through 1974. Early landfill use was restricted to construction debris from the construction of TAMC. Later, the landfill was used to dispose of incinerated medical waste, laboratory wastes, maintenance waste, food waste, and construction and landscaping debris. Unspecified waste from Fort Shafter was also disposed in the landfill. The Army conducted a Preliminary Field Screening Investigation to determine the presence or absence of hazardous substance contamination from the landfill operation. The investigation found polynuclear aromatic hydrocarbons, pesticides, lead and dioxin chemicals in the surface and subsurface soils in the interior of the landfill. Monitoring wells were installed down to the basal groundwater aquifer and analysis results of the water found no chemical contamination. The Army conducted a remedial investigation (RI) with soil and groundwater sampling. The remedial investigation confirmed the levels of dioxin, PCB and pesticides in the surface soil, subsurface soil and sediment. To address any human health risk posed by the contaminants, the Army recently installed a cap over the landfill and a concrete drainage channel to handle the rainwater runoff from the landfill.

2.5.2. Navy Installations

Defense Reutilization and Marketing Office, Manana

The Defense Reutilization and Marketing Office (DRMO), Manana storage area is a 51-acre parcel of land in Pearl City which is off Waimano Home Road. The DRMO storage area was used for the collection and temporary storage of hazardous waste generated by the Department of Defense, Pacific Rim military facilities. It was also used to store excess equipment and supplies that were turned in for disposal. The site investigation found arsenic contamination in the subsurface soil down to four feet. In May 1996, the Navy completed a cleanup action with the removal of the arsenic contaminated soil. The DRMO Manana storage area parcel was transferred to the City and County of Honolulu in June 1996. In FY 1997, the Navy completed plans to install ground water monitoring wells at the site. The wells are planned for installation in FY 2002.

Ewa Junction Fuel Drumming Facility

This Navy facility was constructed in 1943 as a fuel drumming and transportation terminal. Today the facility is inactive. According to a 1972 Navy report, approximately 315,000 gallons of motor gas (MOGAS) from an underground storage tank was released onto the ground in March 1971. MOGAS was found in soil and ground water samples obtained from beneath the site. A Phase II Remedial Investigation and sampling was performed in FY 2000. To determine if any MOGAS contamination traveled off site the subsurface soil and groundwater were sampled off site in an uncontaminated area located to the south. A draft Phase II Remedial Investigation Report was completed by the Navy, which showed the MOGAS contamination in the groundwater, has not migrated off the site. The Navy is evaluating whether any cleanup action is needed for the site.

Naval Computer and Telecommunications Area Master Station

The Naval Computer and Telecommunications Area Master Station (NCTAMS), facility was placed on the National Priorities List (NPL) in May 1994. NCTAMS is composed of two sites, a Naval Radio Transmitting Facility (NRTF) at Lualualei, the main station, and a receiver site in Wahiawa. NCTAMS Wahiawa is located on the eastern side of the highest part of the Schofield Plateau and about one mile east of Whitmore Village. The Lualualei Naval Radio Transmitting Facility is located in Lualualei Valley and is contiguous with Naval Magazine Lualualei. Earlier site investigations detected PCB contamination in the soil around electrical transformers. The investigation found out that maintenance technicians checking the transformer oil, which contained polychlorinated biphenyls (PCBs), were discarding the oil samples directly onto the ground around the transformers. In 1991, the Navy conducted a removal action by excavating the PCB contaminated soil around several of the transformers and sending it to the mainland for proper disposal. This site investigation identified 15 sites that require further investigation at NRTF Lualualei and NCTAMS Wahiawa. The Navy has completed the remedial investigation at the Old Wahiawa Landfill and the Building 6 Disposal Area. The Navy has also completed the removal action at the transformer sites at both NCTAMS facilities by excavating PCB contaminated soil and storing it for treatment. The Navy has selected a vendor to accomplish the thermal desorption treatment of the PCB contaminated soil. Treatability tests of the thermal desorption treatment system have been completed. Plans to start treating contaminated PCB soil are scheduled for November 2001 when the design and construction of the treatment unit is expected to be completed.

Naval Station Pearl Harbor - Aiea Laundry

The Aiea Laundry is a laundry facility owned and operated by the Navy, which has done dry cleaning since the early 1950's. The facility is located on the corner of Moanalua Road and Kaimakani Street in Aiea. St. Elizabeth Church and School are on the west side of the laundry with Aiea Elementary School to the east. Site investigations have found releases of dry-cleaning solvent (perchloroethylene) and Stoddard solvent from several underground storage tanks and from a drainage swale outside the facility. Solvent and solvent vapors remain in the soil beneath the site. The contaminants include perchloroethylene, tichloroethylene and vinyl chloride, which is a known carcinogen. A soil vapor extraction system which was operating onsite and removing contaminant vapors, especially vinyl chloride, from the soil has been turned off to pulse the system as the level of contaminant removal has declined significantly. Ground water sampling, from recently installed monitoring wells, have found diesel fuel in one well and perchloroethylene in three wells on the south side of the site. Diesel fuel is being removed.

The Navy installed nine off site groundwater monitoring wells and sampling results showed the perchloroethylene contamination in the groundwater has migrated offsite as far south to Kamehameha highway. This is one of a few sites slated for transfer to the Department of Hawaiian Home Lands (DHHL) from the federal government. The HEER Office is working with the DHHL to ensure that all remedial activities are completed to the satisfaction of the State before acceptance.

Pearl City Fuel Annex

The Pearl City Fuel Annex is located on the Pearl City Peninsula and is operated by the Navy's Fleet Industrial Supply Center. The facility consists of five above ground storage tanks for the storage and pumping of bulk aviation fuels. Records indicate that tank and pipeline leaks have occurred in the past with a 10,000-gallon JP-4 (a jet petroleum fuel), release recorded in December 1980. Soil and groundwater sampling have uncovered arsenic, lead and petroleum hydrocarbon contamination in the soils and petroleum

hydrocarbon contamination in the groundwater on the site. The Navy completed the Removal Site Evaluation Report and will determine if a response action needs to be conducted.

Pearl City Peninsula Landfill

The landfill is located on the north shore of Middle Loch and operated from 1965 until 1976. The site is currently capped with a two-foot thick layer of crushed basalt. An Investigation indicated the presence of dioxin, polychlorinated biphenyls (PCBs), semi-volatile organic compounds (SVOCs), trichloroethylene (TCE), and fuel products. The Navy completed a removal action, which involved repairing large cracks in the landfill cap, covering some black sand that was on the surface of the landfill and capping some asbestos material that was recently discovered on the border of the landfill. The Navy is presently accomplishing an ecological risk assessment on the Waiawa Unit National Wildlife Refuge, which is adjacent to the landfill.

Pearl Harbor Naval Shipyard -Battery Shop Bldg. 394

The Battery Shop is an open-air facility used to clean, disassemble and restore lead-sulfuric acid batteries before 1990. An estimated 60,000 gallons of battery acid fluid was discharged into an unlined disposal pit on the site. Lead residues from battery disassembly operations were also disposed in the pit. Site investigations have found high lead contamination in the former pit area and in the surface soil around the battery disassembly area.

Lead contamination in the soil was as high as 214,000 parts per million (mg/kg). The Navy conducted further site investigations to determine the extent and concentration of the lead contamination on the site. The Navy is now proposing to conduct removal action by using an in-situ electrokinetic process, which is supposed to remove the lead from the contaminated soil. Bench testing was completed on the lead contaminated soil for the electrokinetic process. The electro kinetic treatment system was tested at the site and failed to work properly. The Navy decided to try an existing electrokinetic treatment process and is doing a treatability test of the system.

Pearl Harbor Naval Shipyard - Building 8

Building 8 is located in the Naval Shipyard Industrial Area on the East Loch of Pearl Harbor. It served as a power plant, an equipment test facility and a pipefitting shop. Site investigations revealed that subsurface oil is accumulating within Building 8 sumps and other subsurface structures adjacent to the building. During heavy rainfall events, oil sheens in Pearl Harbor around Dry Dock No. 1, are suspected to be caused by oil migrating along the conduits of the Building 8 storm drain system and into Pearl Harbor. An oil plume up to several feet thick has been identified in the ground around Building 8. The Navy has installed an active extraction system to contain and extract the oil from the plume under the site. The system is continuing to work well with 17,959 gallons of oil recovered since July 1997.

Pearl Harbor Naval Shipyard Building 68

Building 68 is an electrical repair shop located in the northeast section of the naval shipyard. From approximately 1950 through 1979, the shop serviced electrical transformers containing PCB dielectric fluid. During this period, PCB dielectric fluid was reportedly disposed into catch basins located adjacent to Building 68. Approximately 50 to 55 gallons of PCB transformer fluid were discharged to these catch basins per year. These catch basins drain into Pearl Harbor. A sampling of sediments in the catch basins found polychlorinated biphenyl (PCB) contamination ranging from 21 mg/kg to 1,130 mg/kg. The Navy conducted a time critical removal action in the catch basin where PCB contaminated sediments were removed and a coating was applied to the interior surface of the catch basin. The Navy is regularly sampling the catch basin sediments to determine if more PCB contamination is entering the catch basin.

Pearl Harbor Naval Shipyard Oscar 2 Pier

The Oscar 2 Pier is located on the western corner of the naval shipyard. The site is adjacent to Building No. 177, a power plant that is no longer in service. Black oil was noted on the northwest shore off the Oscar 2 Pier. The oil appears to be old residual fuel oil with a tar like viscosity much like the Navy Special Fuel Oil. Two permanent oil extraction wells, installed in the past to collect oil in the ground and prevent it from going into Pearl Harbor, are located near the site. To stop the release of oil presently going into Pearl Harbor, the Navy has decided to install a passive trench recovery system about 150 feet long along the shoreline at the site. The passive trench recovery system is working well with a total of 11,876 gallons of oil recovered since February 1998.

Pearl Harbor Naval Station Ford Island Landfill

The Ford Island Landfill is located on the southwestern end of Ford Island. This site was used for burning and disposal of solid wastes from the 1930's through the 1980's. The wastes came from the Naval Air Station on Ford Island and consist of part solid wastes and part metal scraps.

A site investigation revealed contaminant concentrations in the groundwater under the landfill below levels that would pose a threat to Pearl Harbor; however, debris on the surface of the landfill would pose a potential threat to people who may use the landfill in the future for recreation. As a result, a cap was placed over the landfill and was completed in December 1996. Ground water monitoring is being performed quarterly. There have been no significant levels of hazardous substance contamination found in the ground water.

Pearl Harbor Sediment's Study

The Navy is conducting a study of the sediments in the Pearl Harbor basin to determine what effect the Navy's operation at Pearl Harbor has had on the harbor itself. The site encompasses the entrance channel to the estuary, West Loch, Middle Loch, East Loch and Southeast Loch. Naval operations conducted adjacent to the site have included fuel storage, handling, transfer and recycling facilities as well as operation, maintenance and support facilities and military landfills. Past waste handling and disposal methods, although acceptable at the time, may have caused unexpected long-term problems at some locations through the release of toxic and hazardous substances into the soil and ground water at sites surrounding the estuary as well as the estuary itself. The Navy has developed a sampling and analysis plan for the remedial investigation (RI) of the harbor sediments. The sampling of the sediment and the fish in the harbor were completed in November 1996. Analytical results of sediment and fish and crab tissue have been received. An evaluation of analytical results from fish and crab tissue samples confirmed PCB and pesticide contamination. As a result, the Department of Health issued a fish advisory against eating fish caught in Pearl Harbor. The Navy is currently completing an ecological risk assessment to determine whether contaminate levels pose a threat to the environment.

Pearl Harbor Subsurface Fuel Investigation

The subsurface fuel investigation site encompasses three areas: Area 1 consists of abandoned underground tanks; Area 2 includes the Public Works Center gas station, the fuel reclamation facility and the diesel purification plant; and Area 3 consists of scattered underground storage tanks and fuel lines in the Halawa Service Station and Hotel Pier area. The types of fuel that are present on the site are diesel, gasoline, JP-5 (a jet petroleum fuel), kerosene, Navy Special Fuel, Oil, Bunker C and lubricating oil. Free product plumes have been found in all three areas. The Navy recently completed a Phase II sampling effort in the RI to better assess the nature and extent of soil and ground water contamination with

petroleum fuel. Based on the results of the RI, the Navy is looking toward a removal action of free product plumes to the extent possible. The EPA Superfund Innovative Technology Evaluation (SITE) program is testing three technologies to remove the free product fuel oil. The test programs using vacuum, surfactant and thermal processes to enhance oil extraction have been completed. Results of the tests are forthcoming. The Navy is installing a trench barrier and passive oil recovery systems to remove the subsurface oil from the Hotel Pier Area, Magazine Loch Area and Quarry Loch Area.

PWC Transformer Sites

Nine transformer sites are located within the Pearl Harbor area. Previous environmental investigations identified these sites as potential health and/or environmental concerns based on detection of polychlorinated biphenyls (PCBs) in the soil and/or on the concrete pads surrounding the transformers. The Navy has completed a removal action to excavate the PCB contaminated soil and store it for treatment.

Red Hill Oily Waste Disposal Pit

This site was constructed in the early 1940's and is located within the Red Hill fuel tank farm area. An unlined pit located in the central portion of the site was used for the disposal of oily residues generated during periodic fuel tank cleaning operations and oily waste generated by leaks and drips from fuel piping systems associated with the Red Hill fuel storage tanks. The unlined pit was replaced with a stilling basin made of gunite and asphaltic-concrete in 1972. The Navy conducted a remedial investigation of the site and found petroleum hydrocarbon and polynuclear aromatic hydrocarbon contamination in the subsurface soils where the old unlined pit was located and under the stilling basin. Petroleum hydrocarbon contamination was also found in the shallow ground water system located under the stilling basin. Based on these results, the Navy conducted a removal action which involved removing the stilling basin and the petroleum contaminated soils under the stilling basin and where the old unlined pit was located. To determine whether the petroleum hydrocarbon contamination did infiltrate into the basal groundwater aquifer, the Navy has installed monitoring wells into the basal aquifer and sampled the basal groundwater. Analytical results have shown no contamination in the basal aquifer. However, soil samples taken on various areas of the site show some high levels of petroleum contamination. The Navy has completed plans to further characterize the extent of petroleum contamination in the subsurface soils.

Naval Air Station (NAS) Barbers Point

In 1993, the Base Closure and Realignment Commission placed NAS Barbers Point on the Base Realignment and Closure (BRAC) list. The base closed on July 2, 2000. The airport has been transferred to the State Department of Transportation. Other parcels are in the process of either being transferred or remediated first and then transferred. The Navy, the EPA, and the State of Hawaii makes up the Barbers Point BRAC Cleanup Team. The Navy formed BRAC to make decisions on closure-related environmental issues. The Governor signed the Community Redevelopment Plan providing an overall reuse strategy for the conversion of the base to civilian use after its closure in 2000. A Restoration Advisory Board (RAB) was established in 1994 to support community involvement in the environmental decision-making process. Cleanup of the Navy is being correlated with the strategy to make the sites usable in an expedited time. The Navy has completed a removal action by excavating lead and antimony contaminated soil from the former firing ranges. The Navy has also completed removal actions at the old Engine Test Cell Area, the Coral Sea Road, Coral Pit and Former Sewage Treatment Plant Environmental cleanups are in process at the Southern Trap and Skeet Range and the Hazardous Waste Accumulation Area #6.

2.5.3. Marine Corps Installation

Kaneohe Marine Corps Base, Five Areas of Concern

Five areas of concern have been identified on the base and these include a fuel farm sludge disposal area; two landfills; a fire fighting training area; and one old maintenance area. A variety of hazardous substances are present in the five areas of concern. Geographically, the Kaneohe Marine Corps Base is ecologically sensitive because it is surrounded on all sides by water (Kaneohe Bay is to the west, the Pacific Ocean to the north, Kailua Bay to the east, and Nuupia Ponds to the south). Nuupia Ponds is a wildlife refuge where five endangered species reside. One endangered species, the green sea turtle, also uses the Kaneohe Bay. Kaneohe Bay is a popular recreation area for boating, snorkeling, scuba diving, and other water sports.

Quarterly monitoring of groundwater wells are being conducted at the Fire Fighting Training Area. Bio-slurping in the area of the Fuel Farm Sludge Disposal Area began in FY 1997. An Expanded Site Inspection (ESI) was submitted to EPA for review. EPA determined that conditions currently do not warrant placing the site on the National Priorities List (NPL). However, activation and expansion of the existing bio-slurping system was performed in 1998. Funding was made possible as part of the BRAC Barbers Point construction associated with the Navy's move to Kaneohe Marine Corps Base. The Navy is currently not performing any environmental installation restoration work on the Base.

2.5.4. Air Force Installations

Bellows Air Force Station (AFS) Installation Restoration Program

The Installation Restoration Program (IRP) at Bellows AFS includes 20 Installation Restoration Program (IRP) sites and 17 Areas of Concern (AOCs). Site investigation, sampling and remediation at Bellows AFS are ongoing.

- The Bellows Excess Land - Several acres of land at Bellows were declared excess and will be deeded to the State of Hawaii and the Navy. Over 1000 acres of land are proposed for transfer to the United States Navy for the Marine Corps in 2003. Seventy-five acres of land were transferred to the Government. These areas were prioritized for site investigation and remediation.
- Underground Storage Tank sites on Excess Land at Bellows - Investigation and closure of the underground storage tank sites at the Bellows Excess land was completed. All of the UST IRP sites received a no further action determination and were closed except for the UST sites in Sherwood Forest recreation area. This area is considered outside the Bellows Forest recreation area.
- Underground Storage Tank sites - Investigation and closure of the underground storage tank sites at the Bellows Excess land was completed. All of the UST IRP sites were closed with no further action except for the UST sites in the Sherwood Forest recreation area. This area is considered outside the Bellows property boundary and the site will be handed over to the formerly used defense sites (FUDS). The decision documents for the UST IRP sites were signed by the Air Force and DOH. These UST sites include the Inoale Stream USTs, Waimanalo Stream USTs, Fighter Housing USTs, Sub-depot USTs, and the Coastal Area recreational USTs.

- Landfills/Dump Sites - After a thorough review and several technical review committee meetings, the three former dumpsites were closed with no further remedial action planned (NFRAP). Only the base landfill (LF01) needed further investigation. Contaminants of concern (COCs) in the landfill include high levels of lead and low levels of pesticides and PCBs in surface soil. Dioxin and furans were also potential COCs because there were evidences of in-situ burning of landfill materials. The investigation for dioxins/furans revealed levels in the surface soil at the landfill were below screening criteria. The EE/CA completed for the site addressed metals and physical hazards in surface soil. The recommended alternative is soil/vegetative cover with long-term monitoring of groundwater. One environmental group opposed the decision, raising their concerns the community and other stakeholders. The action memorandum was not signed by the Air Force, holding off all decisions for this site.
- Areas of Concern - Two AOCs, former drum sites, were closed with NFRAP after site investigation revealed no chemicals of potential concern (COPCs).
- Former Septic Tank System - A work plan and sampling analysis plan was submitted by the Marine Corps to investigate a World War II shop area septic tank system in the northern part of Bellows AFS. The investigation will include locating two septic tanks and soil and groundwater sampling.

Hickam Air Force Base Installation Restoration Program (IRP)

The Hickam Air Force Base (AFB), IRP includes 42 IRP sites and 25 AOCs including Fort Kamehameha sites). Site investigation, sampling and remediation at Hickam AFB are an ongoing process. Multiple areas of concern are being investigated.

- RUNWAY 8L OUT-GRANT AREA, HICKAM AFB
The Runway 8L Engineering Evaluation/Cost Analysis (EE/CA) was a significant restoration project for Hickam AFB and required a great deal of oversight by the HEER Office. Property that included the Runway 8L and adjacent areas totaling 329.628 acres, was officially transferred from the Air Force to the State of Hawaii Department of Transportation. Hickam AFB Sites in the Runway 8L Out-Grant Area included 'in part or in whole':
 1. Two Drainage Canals, the Manuwai and Kumumau Canals.
Remedial investigations were completed for each drainage canal. The RI included a baseline risk assessment for human health and/or ecological receptors including any adverse effects that may be associated with exposure to conditions in the canals. Initially there were no indications of adverse impacts. However, because dioxins and furans had been detected in the subsurface soil of an adjacent landfill, and the landfill had a runoff pathway that entered directly into the Manuwai Canal, a determination of "no further action" was not advisable. Additional investigation was necessary before a decision on the fate of the property could be determined.
 2. Two fuel spill sites: POL Area K and John Rodger Tank Farm.
An interim remedial action was performed for the POL Area K fuel spill site. Characterization of the sources and extent of the subsurface AVGAS plume beneath the former John Rodger Tank farm was finalized. An EE/CA was prepared and recommended institutional control with long-term monitoring of groundwater. A further characterization of one potential source beneath a former dispensing station will be done in conjunction with the implementation of the selected remedial alternative.

3. Four landfills within the Runway 8L outgrant area.

The four landfills include: Landfills #2, #3, #6, and the EOD (explosive ordinance disposal) soil area. Landfills “#3” and the “EOD soil area” were both given a no further response action planned (NFRAP) determination. Landfill “#2”, an inactive landfill, underwent an interim remedial action. Landfill “#6” received a pre-investigation hazard ranking scoring before the determination to put the landfill through a remedial investigation feasibility study (RIFS).
 4. Fuel Distribution Pipeline.

A fuel distribution pipeline, the Kuntz Pipeline, was assessed and received a NFRAP determination.
 5. Leach Field.

The leach field from the “Atomic Energy Commission site” under went an interim remedial action. Results from sampling indicated that chemicals of concern were below screening criteria for the protection of aquatic resources.
 6. Abandoned Drums.

An area in the Runway 8L outgrant site containing abandoned drums was given a NFRAP determination.
- Fort Kamehameha.

The cleanup requirements for the Fort Kamehameha are part of the Hickam IRP. Closure reports were submitted for seven subsites with underground storage tanks (USTs). The closure reports were reviewed by the DOH and given a no further action determination. One drum site at Fort Kamehameha was proposed for closure but the DOH determined there is insufficient data to grant closure status.
 - Mamala Bay Golf Course Landfill.

An EE/CA investigation was completed for the former landfill that is now used as a recreational area, the Mamala Bay golf course. The objective of the EE/CA investigation was to address the data gaps from previous investigations to determine if a removal action was necessary or if a no further action determination could be made. The site had been proposed for closure in 1996, but the DOH did not approve of this recommendation because potential and/or suspected areas of concern (AOCs) required additional data be collected before a no further action determination could be given in support of a closure. Currently, a site inspection is underway for the three valve pits, former motor pools. A fourth AOC under the site inspection is the former industrial waste treatment and disposal facility. A NFRAP determination for the former treatment and disposal facility is currently pending the results of the additional data collection.
 - Hickam POL Pipeline and Fuel Storage

A Final report with results of the interim remedial activities conducted at the Waikakalaua and Kipapa fuel storage annexes (FSAs) and Valve Pit 17 were submitted to the HEER Office. Interim remedial activities were performed to address petroleum hydrocarbon contamination in the vadose zone and shallow groundwater under the site. A full-scale bio-venting system was initiated and optimized for all three areas.

The HEER Office is performing a significant amount of oversight for the areas of concern. Interim remedial actions and quarterly groundwater monitoring are ongoing at all three AOCs: the Waikakalaua Fuel Storage Annex (WFSA), the Kipapa FSA and the Valve Pit.

1. Waikakalaua Fuel Storage Annex

The final RI report was submitted to the HEER Office after a lengthy comment and resolution period was concluded.

The DOH was concerned about the vadose zone and groundwater modeling being used to support the presumptive remedy of natural attenuation for petroleum contaminants found in the Pearl Harbor basal aquifer. Site-specific preliminary remediation goals (PRGs) were established for the site. The Safe Drinking Water branch of DOH was involved because modeling results showed there is a potential for benzene above maximum contaminant levels acceptable, migrating into the basal drinking water aquifer. DOH recommended that additional investigation be conducted and scheduled to be carried out when an engineering evaluation and cost analysis (EE/CA) is performed. A final work plan for the EE/CA was submitted to the HEER Office to be reviewed by the Remedial Project Manager. The workplan proposes for sampling and evaluating all pertinent media to fill past data gaps and calls for a streamlined human and ecological health risk evaluation. Six rounds of groundwater monitoring have been assessed and indicate one deep well consistently detecting benzene and naphthalene. However, the detections are below maximum contaminant levels or not detected for both contaminants. Based on the groundwater data and review of past studies done at the site, the DOH perceived that the hydrocarbon plume underneath Waikakalaua FSA might not be intercepted by the off-site down gradient well. A decision to install a new basal aquifer monitoring well and where to locate it was agreed upon by the Air Force and DOH. The new monitoring well was installed and a tracer study is being conducted to test hydraulic connectivity and localized hydrogeological properties. Strong evidence of natural attenuation was observed in the basal aquifer monitoring wells. Differences observed in the concentrations of dissolved oxygen nitrate, sulfate, methane, and iron (II) in the background well and the observed plume indicate that significant aerobic and anaerobic degradation has occurred up gradient from the plume. In addition, sufficient concentrations of attenuating compounds are present in groundwater from the plume to indicate that contaminants present will not migrate off-site.

Workplans for the cleanup, closure, and/or abandonment of the tanks and pipelines were submitted to the HEER Office for review. The subsequent site characterization recommended will be part of the Hickam IRP. The HEER Office was notified when a fourth disposal well was discovered at the Waikakalaua FSA. An investigation of the fourth well is planned in the future will DOH oversight. Four 25,000-gallon MOGAS USTs in Waikele Gulch will be pulled out and cleaned. The USTs are located on a slope below the Waikakalaua FSA. A workplan was submitted and reviewed by the DOH. Fieldwork is scheduled to commence in late 2001

2. Kipapa Fuel Storage Annex (FSA)

The final remedial investigation report was submitted to DOH after a lengthy comment and resolution period. The DOH has concerns about the location of the vadose zone and the results of the shallow groundwater modeling which is being used to support the presumptive remedy of natural attenuation for petroleum contaminants found in the Pearl Harbor basal aquifer. Deep subsurface preliminary remediation goals (PRGs) for benzene were established for the protection of human health.

In addition, the potential for benzene volatilizing is being considered in the investigation. The leaching pathway from soil to shallow groundwater to the basal aquifer was evaluated and a potential pathway was established using a groundwater model as a possible means of exposure.

For the protection of human life the shallow groundwater PRGs for benzene, naphthalene, and n-propylbenzene were established based on a groundwater model also. Groundwater modeling was performed six times. Through six rounds of groundwater monitoring, the maximum naphthalene concentration detected in shallow groundwater slightly exceeded the PRG. To protect ecological receptors in Kipapa Stream, for the pathway of leaching from the soil to shallow groundwater followed by discharge to Kipapa Stream, PRGs were established for shallow groundwater. Concentrations in shallow groundwater were well below the established PRGs for the protection of ecological receptors in Kipapa Stream.

3. Valve Pit #17 (VP17)

The results of the groundwater modeling at Kipapa FSA were simply assumed to apply to Valve Pit 17 because of the sites' similar hydrogeology. Deep soil PRG was established for benzene and shallow groundwater PRGs were established for several COCs. No result through six rounds of groundwater monitoring has exceeded the PRGs for other COCs other than trimethylbenzene.

Wheeler Army Airfield

The Wheeler Army Airfield (AAF) was transferred to the Army in 1993 and is currently being operated by them. The Air Force retains IRP management under an agreement between the Army and the Air Force established at the time of land transfer. All compliance activities except for one dump-site (the Gulch Runway Dump) have been transferred to the Army mainly, the fuel component systems.

- Gulch Runway Dump. The PCB-contaminated soil from the Gulch Runway dump, stockpiled at the site since 1996, was finally removed and disposed of in the mainland. The soil beneath and around the stockpile was sampled to determine the remaining PCB levels. All soil samples have PCB concentrations between 1 and 10 part per million (ppm). The PCBs action level for the site was set at 10 ppm. Therefore, final closure was granted for the Gulch Runway Dump. However, because the levels of PCBs remaining at the site is above the level for unconditional and unrestricted use, the site will be subject to land use restrictions and five-year review.

Kaala Air Force Station (AFS)

A work plan for a limited site investigation (SI) was reviewed by the DOH and necessitated visiting the site because from the time the PA/SI was conducted in 1987-1993, one of the IRP site's condition changed significantly. There was a landslide at the drum rack outfall that caused a large portion of the surface and subsurface soil to slide down slope exposing the subsurface soil. Therefore, a site characterization is necessary. Arsenic was detected at high levels at the site and the Air Force was attributing it to background levels because arsenic is not a chemical of concern at the site. However, the DOH has concerns about the high Arsenic levels and further investigation was recommended. The previous soil PAH data collected from the site were rendered useless because the method detection limits exceeded the action levels. A different method will be used to analyze the PAHs. The results of the limited SI were submitted and are being reviewed by the DOH. The limited SI report presented the results of PAH and arsenic sampling in near-surface soil.

The site's location in the midst of a nature reserve and a watershed will require a thorough ecological risk evaluation to be conducted.

Punamano AFS

During FY 1998 the three subsites at Punamano AFS were closed out, closing documents were signed and no further action is planned. A burn pit was inadvertently discovered near SS01. Lead in soil was reportedly above Tier 1 action level and a removal action was supposed to be implemented in FY 2000. However, the Air Force informed the DOH of possible resampling of the soils because a fraudulent laboratory made the analyses. No work was conducted during FY2001 nor were any reports submitted to DOH.

Three Satellite Stations:

Kokee Air Force Station, Palehua Solar Observatory, Kaena Point Satellite Tracking Station. Site inspection was completed for the three Air Force satellite installations. No contaminants of concern were identified above the regulatory levels and the Air Force is recommending no further remedial action for the sites. The final NFRAP closure documents for the two areas of concern at Kaena Point Satellite Tracking Station, drainage trough and base of antenna, was submitted and approved by DOH. There were no COCs found at the Palehua Solar Observatory site. A final NFRAP document was submitted for the leach field/septic system site. The levels of contaminants of possible concern (COPCs) at the site do not pose significant risk to human health and the environment. At Kokee AFS, the NFRAP decision documents for the POL shed and contractors' area and the paint thinner disposal area were approved. However, the decision for NFRAP of a radar shaft site was not approved because the radar shaft could not be located. Therefore, samples could not be taken to support a NFRAP. The DOH contends that if the land use changes in the future and/or a discovery of site contamination are why a NFRAP status could not be granted, to avoid closing then reopening the site prematurely.

2.6. Significant Site Summaries from the Site Discovery, Assessment, and Remediation Section

2.6.1. Preliminary Assessment/Site Investigation (PA/SI) Sites

Ewa - Ewa Sugar Mill/Oahu Sugar Co.

This site consists of five subunits: the coral waste pit, the former fumigant storage area, the pesticide mixing/loading area in Ewa, the herbicide mixing/loading and seed cane fungicide dipping site on Waipio Peninsula, and the pesticide staging area in Kunia. Sampling events have been performed by the HEER Office at all subunits.

1. The Coral Waste Pit

A mixture of waste oil and water was disposed of at the coral waste pit adjacent to NAS Barber's Point. The landowner conducted additional sampling, and removal/remediation options for the petroleum-impacted soil are currently being evaluated. This site is inaccessible to the public and not located on any terrestrial sensitive environment. A Site Inspection (SI) report was submitted to EPA in September 1999. The site was given a No Further Remedial Action Planned (NFRAP) determination since the removal action was conducted under CERCLA, because the oil discovered appeared to contain no CERCLA hazardous substances. The HEER Office has given the site a no further action determination since the removal action was conducted.

2. The Former Fumigant Storage Area

The area is located within a residential area. It was previously suspected that chemicals used for fumigating plantation homes and various pesticides used on the sugar fields may have spilled at the site. Sampling has indicated the presence of only trace amounts of various pesticides, all of which are below regulatory action levels. There were also several detections of arsenic above the screening level; however, the HEER Office's toxicologist has determined that these levels do not currently pose a risk to human health or the environment. An SI report was submitted to EPA in November 1999; the site was NFRAP'd under CERCLA and given a No Further Action (NFA) by the HEER Office.

3. The Pesticide Mixing/Loading Area in Ewa

Ametryn, atrazine pentachlorophenol and dioxins/furans have been detected in the soil at the Ewa pesticide mixing/loading site at levels above action levels. This site has been given a high priority ranking by the HEER Office. Further sampling will be required of the landowner to delineate the extent of contamination. The site is currently fenced, and chemical warning signs are posted. An SI report was prepared and submitted to EPA in 2001. DLNR has satisfied the requirement that the surface soil at the site be stabilized to reduce exposure and migration of the contaminants. Further response actions will be required.

4. The herbicide mixing/loading & seed cane fungicide-dipping Site

This area of concern is owned by the Navy and is located within a restricted area. Sampling at this site by the HEER Office has indicated the presence of dioxins. This site has been given a high priority ranking by the HEER Office. The responsible party has recently conducted additional sampling to characterize the extent and nature of contamination. An SI report will be prepared and submitted to EPA in early 2001. The responsible party is conducting the response action consistent with the State Contingency Plan under the oversight of DOH and the Navy.

5. The Kunia Staging Area

Arsenic was detected in the subsurface soils at the Kunia staging area at levels above action limits. This subunit lies within an area, which may be developed into a residential subdivision. A site investigation report was submitted to EPA in November 1999. The site was given a no further action under CERCLA due to the lack of people immediately surrounding the site and the nature of the contamination but was given a medium priority by the HEER Office. The site requires further investigation. The landowners have been notified of the sampling results and the priority ranking.

Kahului, Maui - Kanaha Pond Industrial Sites (East & West)

The HEER Office conducted sampling in December 1999, to determine if there have been adverse impacts to Kanaha Pond from the industrial businesses formerly operating along Amala Place. Soil was sampled at former business sites, and sediment and surface water samples were collected from within Kanaha Pond. Preliminary analytical results indicate that soils at the site and the sediments and surface water of the pond received little to no impact by the chemicals of potential concern for this site. SI reports have been completed and submitted to EPA. The HEER Office gave both sites a no further action status.

Pearl City - Waiawa Gulch

The Waiawa Gulch was evaluated by the HEER Office using EPA's federal hazard ranking system and site investigation criteria.

Lead was detected at a concentration of 4,371 mg/kg in a soil sample collected from the bank of Waiawa Stream drainage outfall connected, to a wash rack at the facility, a possible source of contamination in the area. An ecologist-microbiologist from EPA Region IX conducted a site visit and stream walk in Waiawa Gulch with DOH in July 1998. Observations made during the stream walk indicate a reduction in aquatic macro fauna biodiversity as the stream. Results from a "dry" season sampling event conducted in the summer of 2001 and a wet season sampling to be conducted will be evaluated to determine the concentration of contamination present and if the contamination is having adverse effects on the aquatic macrofauna.

Kailua - Kapaa Landfill, Oahu

The Kapaa Landfill is comprised of three distinct inactive landfill areas covering approximately 750 acres. Kawainui Marsh, adjacent to the landfill, is the largest freshwater marsh in Hawaii. An investigation was conducted to determine leachate infiltration locations. The Field Sampling Plan will determine if leachate from the landfill is adversely affecting the marsh, host to four federally listed endangered avian species. The City and County of Honolulu, who owns and maintains the landfill, is currently preparing a groundwater monitoring and leachate characterization plan. Results of the groundwater monitoring and leachate characterization reports may be used by the HEER Office to assess the potential for impacts to ecological receptors at the Kawainui Marsh. EPA is validating the laboratory results from the sampling event.

Waialua Sugar Company

The Waialua Sugar Mill closed operations in October of 1996. The mill and power plant were dismantled and shipped to Indonesia. Remaining structures at the mill site have been converted to coffee production and/or leased to small businesses and to individual farmers for diversified agriculture. The apparent problems associated with the Waialua Sugar Mill site are as follows:

- There is potential for soil and groundwater contamination due to runoff from former pesticide mixing and loading sites and from equipment maintenance facilities.
- Contamination may occur at an inland landing strip formerly used for aerial application of herbicides and pesticides, and at former waste-water settling basins across Kealohanui Street from the mill complex.
- Soil staining occurs at the vehicle maintenance building, particularly near lubricant storage tanks and leaking drums.
- Run-off from vehicle maintenance may also have contaminated soils next to the vehicle maintenance building.

The Waialua Sugar Company produced much of their power by burning waste oil. The waste oil was stored in above ground storage tanks (ASTs) at the site. (2) The potential for leaks from the ASTs is high. As the mill property is converted to other uses, it is important to understand the impacts, or potential impacts, of over one century of intense use as a sugar production facility. A preliminary assessment was completed and submitted to Region IX EPA headquarters in San Francisco.

Pioneer Mill Company

The Pioneer Mill Company, a wholly owned subsidiary of AMFAC, ceased operations in September of 1999. Region IX EPA headquarters has authorized the HEER Office to perform a combined Preliminary Assessment/Site Inspection of the site. The HEER Office is working with Pioneer Mill Company's contractor in assessing the mill site for any hazardous material contamination from 150 years of sugar cane culture and processing. On a more immediate level, the HEER Office requested that dust control fences be erected along Mill Street and Kuhua Street, adjacent to the mill, to address residents concerns of potentially contaminated soil blowing into their homes from the mill.

Kauai Agricultural Research Center-Agent Orange

Between 1967 and 1968, the University of Hawaii in collaboration with Department of Army (Fort Detrick, Frederick, Maryland), conducted an experiment to assess the defoliation effects of various pesticides, including Agent Orange, on jungle vegetation on Kauai. This site includes three areas of contamination: the drum disposal area; the actual spray sites located at Waikoko Block, Hanahanapuni; and the Sam Thronas area. The areas were applied with different rates of Agent Orange and PCP, respectively, that were applied singly or in combination with other herbicides. The DOH Solid and Hazardous Waste Branch is overseeing the removal and disposal of drums at the drum disposal area. CERCLA preliminary assessment was already completed and a site investigation is in progress. Soil and sediment sampling will be conducted to determine if foliar application of various pesticides is affecting soil and sediment. Soil and sediment samplings are scheduled for 2002, the second week of September. An approved immunoassay method will be utilized to screen soil and sediment samples for dioxin/furans. The samples will be screened to avoid high cost of analyzing non-detect samples by traditional GC/MS methodologies.

Kekaha Sugar Co. Ltd.

The apparent problem of the site is the pesticide/herbicide contamination brought about by sugarcane productions and operations. These operations involved generation and storage of used oil; used of fungicide for wood treatment and seed treatment, accumulation of contaminated sediments in the settling pond and the used of pesticides and herbicides in the mixing plant. Amfac Sugar Hawaii, Kauai, who owns Kekaha Sugar Co., Ltd. and Lihue Plantation Co., Ltd., hired Brewers Environmental Services (BES) to conduct clean-up and remediation of all areas of environmental concern. BES conducted a Phase II Site Investigation of the former wood treatment plant. Results from the analysis of the collected soil samples showed elevated levels of benzo(a)pyrene, benzo(a)anthracene, benzo(b)flouranthene, methylene chloride, and pentachlorophenol above the DOH-Tier I Action levels. There was no soil sample collected at the herbicide mixing plant. A CERCLA P/A was completed and submitted to EPA in January 2000, and the Field Sampling Plan on June 6, 2001.

2.6.2. Hawaii “State Sites” for Further Cleanup, Response and/or Remediation

Honolulu Harbor

On February 2, 2001, the Department entered into a second agreement with the Honolulu Harbor participating parties (HHPP). The agreement was signed under the authority of Chapter 128D, Environmental Response Law, and any other State or Federal laws that apply. During the initial investigation of Honolulu Harbor, contaminated areas were identified and prioritized for cleanup. Areas that exhibited potential vulnerability for ground water contamination were given first priority for cleanup. The HHPP agreed to notify the Department after discovering contamination and make available the method of cleanup they propose as to address contamination in areas of concern. The agreement required the HHPP to perform specifically identified analyses and provide the information to the Department in an integrated GIS data layered format. The GIS data layer will be used by the Department to take a closer look at petroleum facilities, petroleum and/or contamination identified as constituents of petroleum. The GIS layering database benefits the Department by linking them into shared information in other databases, such as, mapping the locations of actual and/or potential sources of contamination, regional geology and hydrogeology profiles, plume locations, groundwater and soil profiles and sampling analyses, contaminant migratory pathways, monitoring data, and other investigative information. The Honolulu Harbor Area Wide Contamination Agreement between the Department and the HHPP is intended to keep the Department informed of innovations in cleanup technologies ensuring the protection of life and the environment.

Kapalama Incinerator

Lead is present in soil at 757 Kōkea Street in Honolulu, where the former Kapālāma Incinerator operated from the 1940s to the 1970s. The City & County of Honolulu has completed an investigation of the extent of contamination on the incinerator property, and is planning to remove and dispose of hazardous waste and excavate contaminated soils and dispose of them in a local landfill. Future investigations will determine the extent of contamination outside the incinerator property boundaries and evaluate the need for additional cleanup actions. The HEER Office is providing oversight for the cleanup.

Honolulu Wood Treating Site – Mapunapuna

Arsenic, chromium, pentachlorophenol, and dioxins are present at 2841 Pūkōloa Street in Honolulu. The contamination appears to have resulted from past practices of a wood treating company located at the site from the 1960s to the 1980s. The current tenant, former tenants, and the owner of the property are completing an investigation of the extent of contamination at the site and are in the process of identifying potential remedies.

Sand Island – Flynn Learner Site

Lead, arsenic, cadmium, chromium, barium, PCBs, and petroleum are present at the former Flynn-Learner facility at 120 Sand Island Access Road in Honolulu. Flynn-Learner Inc. operated a metal recycling business at the site from the 1950s to the 1990s. Damon Estate, the property owner, is entering into a voluntary response agreement with the Department of Health to determine the extent of contamination at the site and identify and evaluate potential remedies.

3.0 STATE PRIORITY CLEANUP SITES

The majority of cleanup sites are identified through the spill/release "notification system" required by the State Contingency Plan. All spills and releases, both Comprehensive Environmental Response Compensation and Liability Act (CERCLA) and non-CERCLA eligible (i.e. oil contaminated), are reported to the DOH. The [Release Notification Log](#) for FY 2001 can be seen in Appendix C. The remainder of sites identified are from referrals by other programs and the HEER Office's site discovery process.

The [State Site List](#) (Appendix B) contains all of the sites through FY 2001, which have been determined by the HEER Office to need further assessment and possible removal or remedial action. These sites have gone through the Initial Site Screening Team (ISST) prioritization process based upon the criteria in the Hawaii State Contingency Plan, Chapter 11-451, Hawaii Administrative Rules. These sites have been determined to be high, medium, or low priority and are actively being worked on or they will be addressed in the future.

3.1 State Priority List

Chapter 128D, HRS, requires that the department publish a list of those facilities undergoing action where a formal agreement has been established or a "responsible party" is not conducting the appropriate action. Although the program currently provides oversight to a number of sites, the following sites are the only ones officially listed on the State Priority List. All of these facilities voluntarily entered into agreements to conduct the appropriate action.

1. Pearl Harbor
2. Waikakalaua/Kipapa Fuel Pipeline
3. Schofield Barracks (Delisted August 10, 2000)
4. Del Monte Kunia
5. Honolulu Harbor – Iwilei Unit

3.2 Sites Accepted into the Voluntary Response Program

In addition to the five State priority sites that have voluntarily entered into agreements with DOH to conduct the appropriate action, ten sites have been accepted into the Voluntary Response Program (VRP). The following sites have signed a voluntary response agreement with the Department of Health (DOH) and are paying the State for DOH oversight during the emergency response and/or cleanup procedures.

1. Home Depot, Iwilei, Oahu
2. 1239 Kapiolani Boulevard, Oahu
3. 1230 Kapiolani Boulevard, Oahu
4. A&B Properties, Inc. Industrial Subdivision, Waipahu, Oahu
5. 819 Moowaa Street, Kapalama, Oahu
6. 825 Kapiolani Boulevard, Oahu
7. 283 Waiehu Beach Road, Wailuku, Maui
8. Damon Estate's 120 Sand Island Access Road, Oahu

9. Castle and Cooke Homes Managers Drive project, Waipahu, Oahu
10. Costco's Iwilei Store, Iwilei, Oahu

3.3. High Priority Military Sites

The HEER Office continues to provide oversight to all military site cleanups through the Department of Defense/State Memorandum of Agreement (DSMOA) grant. The "Top Military Sites" were identified for the purpose of setting goals for the Year 2000. These sites are listed below with no preference to priority order:

1. Naval Computer and Telecommunication Area Master Station Pacific
2. Barber's Point Naval Air Station
3. Naval Station Pearl Harbor - Aiea Laundry
4. Waikakalaua/Kipapa Fuel Storage Area - Hickam Air Force Base
5. Pearl Harbor Naval Base - Subsurface Oil
6. Pearl Harbor Naval Shipyard - Battery Shop, Building 394
7. Ewa Junction Gasoline Spill - Pearl Harbor
8. Hickam Air Force Base
9. Bellows Air Force Base

The military sites listed above are considered the highest priority military sites for consideration of oversight and compliance in accordance with the State Contingency Plan.

3.4. Hawaii Priority Sites Listed on the National Priority List

There are currently three sites in Hawaii listed on EPA's National Priority List (NPL) for cleanup. Schofield Barracks, the fourth site, was delisted on August 10, 2000.

1. Pearl Harbor
2. Del Monte Kunia
3. Naval Computer and Telecommunication Area Master Station (NCTAMS).

3.5. Hawaii Sites Eligible under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)

These Hawaii sites may be eligible under CERCLA. Once a site is identified as a CERCLA site, it may be added to the National Priority List and the EPA may manage the cleanup; generally, it will require no additional State funding.

1. Ewa/Oahu Sugar Co., Waipio Peninsula, part of Pearl Harbor NPL site
2. Lawai Cannery Well, applying for CERCLIS 4th quarter of 2001.
3. Kanaha Pond Industrial sites, SI.
4. Maili Kai Emergency Access Road, CERCLA Eligible
5. Kawainui Marsh, PA.
6. Kapaa Landfill, PA.
7. Kauai Agricultural Research Center, PA

4.0. HEER OFFICE BUDGET AND EXPENDITURES

4.1. FY 2001 Budget Summary (per Act 281/00 for appropriation)

The combined total operating budget, both State and Federal funding for the HEER Office during Fiscal Year (FY) 2001 was \$4,081,630. The State FY 2001 extends from July 1, 2000 to June 30, 2001 while the Federal FY 2001 extends from October 1, 2000 to September 30, 2001. The federal fund amounts have been adjusted to coincide with the State fiscal year as reflected in the Annual Operating Budget and the FAMIS Expenditure Report.

During the State fiscal year 2001, \$314,402 was appropriated in the State general fund budget for operations of the Emergency Preparedness and Response and the Hazard Evaluation sections of the HEER Office. These functions are vitally important in protecting Hawaii's environment as these sections are concerned with hazardous materials, emergency responses and the assessment of chemical exposures on human health. These functions cannot be funded with the federal grant dollars currently received by the office.

In addition, the HEER Office had an operating allocation of \$2,857,945 from the State Environmental Response Revolving Fund (ERRF) during State FY 2001. The HEER Office utilized the ERRF for two primary purposes: response and operations. The response budget of \$1,094,000 was primarily allocated for emergency response and the remedial contract services, which supplement its response capacity.

The operations budget of \$1,056,413 was allocated to conduct oil spill cleanups; enforce Chapter 128D, HRS; and fund the counties' used oil recycling programs. Funding for the recycling programs, though budgeted in the HEER Office, is managed and overseen by staff in the Solid and Hazardous Waste Branch, Office of Solid Waste Management.

Three other branches in the Environmental Health Administration received funding from the ERRF. During FY 2001, the Solid and Hazardous Waste Branch had a budget of \$467,625, the Safe Drinking Water Branch had a budget of \$621,442 and the Environmental Management Division had a budget of \$ 66,502 (See appendix C for a more detailed description of function and operations). A total of \$4,013,514 was allocated from the ERRF for the above four environmental programs.

In addition, the HEER Office received four federal grants totaling \$909,283. Three of the grants were from the U.S. Environmental Protection Agency and one from the U.S. Department of Defense. These grants were very specific as to their designated usage and wherever possible, the Office utilized federal grant funds in lieu of state funds.

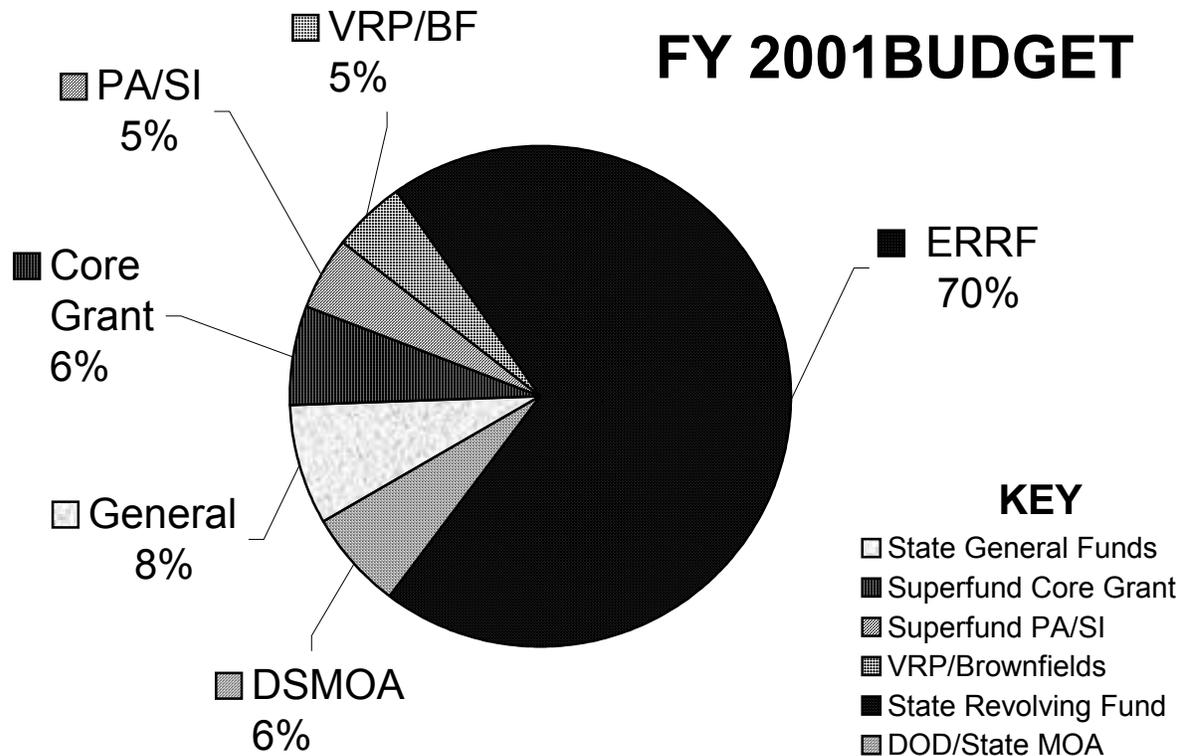


Table 2 FY 2001 HEER Office Funding Source & Budget

1. State General Funds (appropriation)	\$314,402
2. State Revolving Funds HTH 849 (appropriation)	\$2,857,945
3. EPA Superfund Core Grant (Federal)	\$262,372
4. Superfund PA/SI Cooperative Agreement (Federal)	\$190,633
5. State/Department of Defense MOA Grant (Federal)	\$258,288
6. Voluntary Cleanup/Brownfields Programs (VCP/BF), (Federal)	<u>\$197,990</u>
TOTAL STATE & FEDERAL BUDGET FOR FY 2001:	\$4,081,630

4.2. Summary of the FY 2001 Expenditures

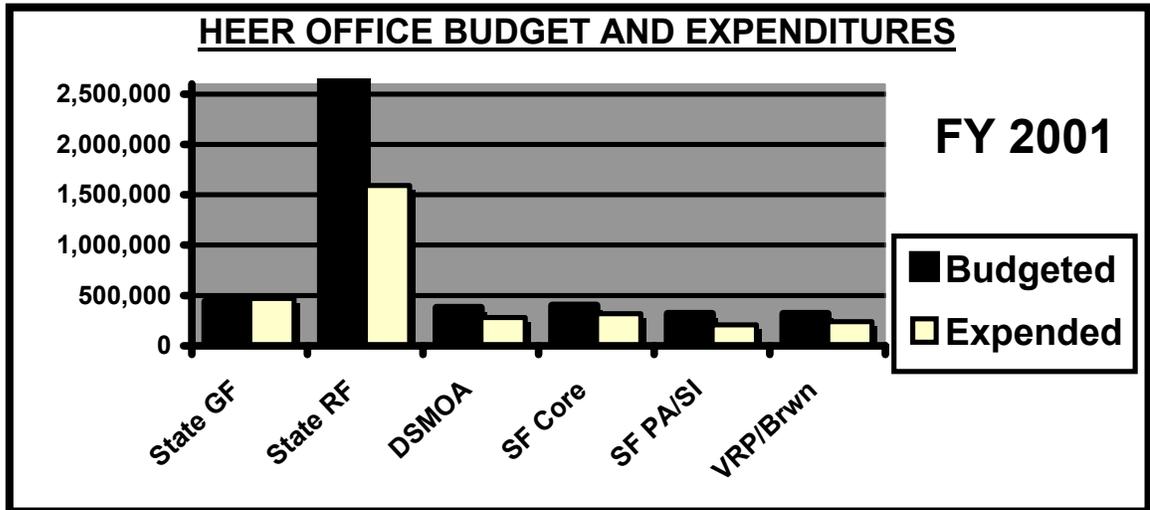
The State expended \$2,655,141 of the \$4,081,630 allocated for appropriation to the FY 2001 HEER Office operating budget.

A total of \$330,764 was expended; slightly exceeding the \$314,402 in State General Funds budgeted for FY 2001 (July 1, 2000 to June 30, 2001). Expenditures from the budgeted General Funds were vital for hazard evaluation, preparedness, and emergency response operations in the HEER Office. Chapter 128D, Environmental Response Law, established four State On-Scene Coordinators, funded with General Funds, located in the HEER Office, who have delegated authority under the director of health to act on behalf of the governor to protect Hawaii's human health, welfare and environment. These functions cannot be funded with the federal grant dollars currently received by the office. Other essential functions for the HEER Office are: to maintain the capability to expedite rapid emergency response measures; maintain essential qualified staff; and be prepared and ready to step up operations for National and State emergencies, including hazardous substance releases, oil spills impacting shorelines and severe weather conditions.

The State expended \$1,591,955 from the State Environmental Response Revolving Fund (ERRF) for HTH 849 budgeted allocations during State FY 2001. The HEER Office utilized the ERRF for two primary purposes: operations and response. The operations expenditure of \$453,704 was used to conduct oil spill cleanups; enforce Chapter 128D, HRS; and fund the counties' used oil recycling programs. The response expenditures of \$654,878 were used to conduct responses to releases or threats of releases of hazardous substances.

The State utilized the ERRF to fund three HTH 840 budgeted environmental programs for emergency response related activities. The individual drawdowns from the ERRF were \$409,589 to the Hazardous Waste Branch; \$435,724 to the Safe Drinking Water Branch; and \$10,237 to the Environmental Management Division (specifics for these program can be found in Appendix C at the back of this report).

The HEER Office expended \$624,705 of the \$909,283 in Federal grant dollars received to the budget during FY 2001. The U.S. Environmental Protection Agency, Region IX provided three grants for the HEER Office and the fourth grant came from the U.S. Department of Defense. These grants were very specific as to their designated usage; however, wherever appropriate, the Office attempted to use federal grant funds in lieu of state funding.



<u>KEY</u>	
State GF	= State General Fund
State RF	= State Environmental Response Revolving Fund
DSMOA	= Department of Defense/State Memorandum of Agreement
SF Core	= Superfund Core
SF PA/SI	= Superfund Preliminary Assessment and Site Investigation
VRP/BRwn	= Voluntary Response Program/Brownfieldss

Table 3 HEER Funding Source & Expenditures:

<u>Funding Source</u>	<u>FY 2001 Expended</u>
State General Funds	330,764
State Revolving Funds	1,591,955
VRP Sub Fund	19,233
LEPC Sub Fund	98,535
Department of Defense/State (Federal) MOA	155,445
Core Program Development Grant (Federal)	223,703
PA/SI Cooperative Agreement (Federal)	127,360
Voluntary Cleanup/ Brownfields Programs (Federal)	108,146
TOTAL STATE & FEDERAL EXPENDITURES	\$2,655,141

4.3. General Funds

General funds support the Hazard Evaluation Section, as well as the Emergency Response and Preparedness Section. These functions are vitally important in protecting Hawaii's environment as these sections are concerned with hazardous materials, emergency responses and the assessment of chemical exposures on human health. These functions cannot be funded with the federal grant dollars currently received by the office.

Table 4 HEER Office General Funds

		<u>Budget FY 2001</u>	<u>Expended FY 2001</u>
A. Funds			
	1 Office Manager		
	1 Epidemiologist IV, SR 22		
	4 Env. Health Spc. IV, SR 22		
	1 Env. Health Spc. III, SR 20		
	1 Clerk Typist, SR 8		
	8	Subtotal	262,884
			311,115
B&C Funds		51,518	19,649
		TOTAL	\$314,402
			\$330,764

4.4. Environmental Response Revolving Fund

The Environmental Response Revolving Fund (ERRF), established in Chapter 128D, HRS, is supported by a tax of five cents per barrel on petroleum, fines and penalties for environmental violation, grants, legislative appropriations, and costs recovered from response actions. The fund may be used to conduct removal or remedial actions consistent with Chapter 128D; the oil tax shall also be used:

- a) For oil spill planning, prevention, preparedness, education, research, training, removal, and remediation; and
- b) For direct support for county used oil recycling programs; and may also be used to address concerns related to drinking water, underground storage tanks, including support for the underground storage tank program of the department and funding for the acquisition by the State of a soil remediation site and facility.

Currently, four programs within DOH have budgeted accounts for access to the ERRF: The Hazard Evaluation and Emergency Response Office (HEER), Solid and Hazardous Waste Branch (SHWB), the Safe Drinking Water Branch (SDWB), and the Environmental Management Division (EMD)

Please note that this report is intended to provide a complete overview of the HEER Office activities. However, to meet the requirements of ACT 300/93, SLH, this section of the report provides a complete overview of all budgeted activities in the ERRF.

Find the specific activities in Section 2.8.0. The expenditures from the ERRF are under each program and can be found in the following pages.

Table 5 HEER Office Expenditures from the ERRF

			<u>Budget FY 2001</u>	<u>Expended FY 2001</u>
A. Funds	2	Toxicologist I, SR 26		
	1	Eco Risk Assessor, SR 26		
	1	Epidemiologist III, SR 20		
	2	Env. Health Spc. V, SR 24		
	1	Clerk Typist II, SR 08		
	5	Env Hlth Spc. IV, SR 22		
	2	Voluntary Cleanup Spc, SR22		
	<u>14</u>	Subtotal	707,532	442,138
B. Funds		Oil Related Activities	1,056,413	453,704
		Removals	1,094,000	654,878
		Subtotal	<u>2,150,413</u>	<u>1,108,582</u>
C. Funds			-0-	41,235
		GRAND TOTAL	<u>\$2,857,945</u>	<u>\$1,591,955</u>

4.4.1. HEER Office Cost Recovery

Chapter 128D, HRS, authorizes cost recovery from money spent from the ERRF. During FY 2001, the HEER Office cost recovered \$44,533.31 and reimbursed the ERRF. During FY 2001, a total of \$669,122.56 was used for emergency response. Expenditures without an identified PRP do not reimburse the ERRF. The mercury spill response and cost recovery continued into FY 2002 and will be reported in the 2003 Report to the legislature. Approximately \$622,462.56 will be reimbursed to the ERRF pending DLNRs request for assistance.

SITES UNDERGOING COST RECOVERY	
1. West Coast Cleaning and Preservation Inc.	44,533.31
2. Mercury Spill Puuwai Momi Housing Complex	622,462.56
3. Expenditures without Identified PRP	2,126.69
TOTAL	\$669,122.56

Table 6 Solid and Hazardous Waste Branch Revolving Funds

			<u>FY 2001 Budget</u>	<u>FY 2001 Expended</u>
A. Funds	1	Environ. Engineer IV, SR 24 (SW)		
	1	EHS IV, SR 22 (HW)		
	1	EHS IV, SR 22 (HW)		
	1	EHS III, SR 20 (LUST)		
	1	EHS IV, SR 22 (LUST)		
	1	Geologist I, SR 24 (LUST)		
	1	EHS III, SR 20 (UST)		
	1	EHS III, SR 20 (UST)		
	1	EHS IV, SR 22 (UST)		
	1	Clerk Typist II, SR 08 (UST)		
	<u>10</u>			
		Subtotal	<u>452,625</u>	<u>405,417</u>
B. Funds			15,000	4,172
		TOTAL	<u>\$467,625</u>	<u>\$409,589</u>

**Table 7 Environmental Management Division
Revolving Funds**

			<u>FY 2001 Budget</u>	<u>FY 2001 Expended</u>
A. Funds	1	DPSA V, SR24	\$66,502	\$10,237
B. Funds			-0-	-0-
		TOTAL EMD	<u>\$ 66,502</u>	<u>\$10,237</u>

The Data Processing Systems Analyst V (DPSAV) is the computer network manager for the Environmental Management Division. The network manager supports and maintains the LAN/WAN connections for the division. Responsibilities of this position include providing a reliable daily backup, ensuring users have access to their data files, and providing email and Internet connectivity. The network manager is also working to improve and upgrade network servers and connections.

Table 8 Safe Drinking Water Branch Revolving Funds

		<u>Budgeted FY 2001</u>	<u>Expended FY 2001</u>
A. Funds			
3	Env. Engineer IV, SR		
1	Env. Hlth Spec. III, SR		
1	Clerk		
1	UIC Clerk		
1	Clerk		
2	UIC Geologist I, SR		
1	UIC Geologist II, SR		
10	Sub Total	471,449	362,209
B Funds			
	Travel	12,150	4,360
	Supplies	20,500	1,703
	Contractual	50,000	50,000
	Air Freight	8,000	-0-
	Dues	3,500	600
	Maintenance of Motor Vehicle	1,500	-0-
	Motor vehicle gas and oil	4,000	-0-
	Phone	2,500	47
	Postage	2,600	-0-
	Registration Fee	6,000	790
	Rental of Training space	2,000	-0-
	Rental of Office Equipment	8,000	4,308
	Rental of Equipment Other	6,000	-0-
	R&M Other Equipment	1,600	-0-
	R&M Office Furn. & Equip	6,000	-0-
	Reproduction Costs	5,800	675
	Subscriptions	1,500	-0-
	Utilities	2,000	-0-
	Other Misc. Current Expenses	6,343	5,805
	Subtotal	149,993	68,288
C Funds		-0-	5,226
TOTAL SDWB		\$621,442	\$435,724

Table 9 Environmental Response Revolving Fund Summary

	FY2001 Budgeted	FY2001 Expended
<u>HEER-HTH 849-FD</u>		
A Funds	707,532	442,138
B Funds	2,150,413	1,108,582
C Funds	-0-	41,235
HEER Subtotal	2,857,945	1,591,955
<u>SHWB-HTH 840-FJ</u>		
A Funds	452,625	405,417
B Funds	15,000	4,172
C Funds	-0-	-0-
SHWB Subtotal	467,625	409,589
<u>SDWB-HTH 840-FH</u>		
A Funds	471,449	362,209
B Funds	149,993	68,288
C Funds	-0-	5,226
SDWB Subtotal	621,442	435,723
<u>EMD-HTH 840-FH</u>		
A Funds	66,502	10,237
B Funds	-0-	-0-
C Funds	-0-	-0-
EMD Subtotal	66,502	10,237
TOTAL	\$4,013,514	\$2,447,504

4.5. Federal Funds

The budgets listed in this section are adjusted to coincide with the State fiscal year. The expenditures for Federal Grants are derived based on the State fiscal year which includes the last quarter of FY 2000 and not the last quarter of FY 2001 and the first three quarters of FY 2001. Since federal grants are received in Hawaii based upon the federal fiscal year (October through September), these numbers do not match exactly with the federal grant amounts recorded in the Federal Financial Status Report.

4.5.1. Core Grant

Table 10 HEER Office Core Grant Funds

			<u>Budget FY 2001</u>	<u>Expended FY 2001</u>
A. Funds	1	Planner V, SR-24		
	1	EHS IV, SR-22		
	1	Secretary, SR-14		
	3	Subtotal	134,504	104,113
		ERO (Support as needed)	29,136	22,138
		EPO (Support as needed)	1,886	7,286
		Total A Funds	171,526	29,424
B+C Funds		HEER	109,166	87400
		ERO	1,960	1,860
		EPO	1,106	906
		Subtotal	101,232	90,166
		TOTAL	\$262,372	\$223,703

4.5.2. PA/SI Cooperative Agreement

Since October 1989, Hawaii has entered into a PA/SI Cooperative Agreement (CA) with the EPA. A specificity for receiving the PA/SI partnership agreement between the State and the U.S. EPA Region IX is: **The PA/SI funds, consisting of \$190,633, should be utilized for only those costs associated with continuing the Federal PA/SI Program in the State.**

Table 11 - HEER Office PA/SI Cooperative Agreement Funds

		<u>Budget FY 2001</u>	<u>Expended FY 2001</u>
A. Funds			
	1 Env. Health Spc. IV, SR-22		
	2 Env. Health Spc. III, SR-20		
	0.5 Clerk Typists II, SR-08		
	3.5 Subtotal	113,926	90,145
B + C Funds		76,707	37,215
	TOTAL	\$190,633	\$127,360

4.5.3. Voluntary Cleanup Program (VCP) & Brownfields Redevelopment Grant

The Voluntary Cleanup Program (VCP) is a State program, funded with a federal grant from the Region IX Environmental Protection Agency. The grant is awarded to the State as a resource to encourage the voluntary cleanup of contaminated sites by developers and prospective purchasers. The budgeted funds for VCP were \$125,000 in FY 2001.

The Voluntary Response Program (VRP) on the other hand, is an operating State program located in the HEER Office. Development of the VRP program continued during FY 2001 using predominately the federal VCP grant. Under the State VRP program, once a site is accepted into the program they are required to deposit \$5,000 into the ERRF and maintain a balance of no less than \$ 1,000 in order to fund the DOH personnel providing oversight. This requires the State to track deposits and expenditures individually for each site admitted into the program for voluntary response and/or cleanup. The site specific/project specific voluntary response agreement with the State provides the participating parties with technical advice based on the latest technologies and a one on one working relationship with the project manager overseeing the cleanup actions.

The Brownfields Program is targeted at cleaning up abandoned hazardous waste sites and preparing them for economic redevelopment. The budgeted fund for the Brownfields Redevelopment Program in FY 2001 was \$100,000. These funds were utilized by the Department of Business and Economic Development and Tourism (DBEDT) for pilot Brownfields cleanups and redevelopment projects.

Table 12 HEER Office Voluntary Cleanup & Brownfields Funds

		<u>Budget FY 2001</u>	<u>Expended FY 2001</u>
B +C Funds			
	* Voluntary Cleanup Program	97,990	87,014
B +C Funds	** Brownfields	100,000	21,132
	TOTAL	\$197,990	\$108,146

* This portion of the Combined Superfund Federal Grant is awarded to the HEER Office as "B" funding, similar to those funds awarded in contractual agreements. The Grant dollars are to be used for non-site specific activities only. The grant was initially used to amend Chapter 128D, "Environmental Response Law" for the implementation of a State Voluntary Response Program (VRP). Although this Voluntary Cleanup Program grant award has a limited duration, EPA Region IX is continuing to provide these funds to the HEER Office supporting Hawaii's environmental cleanup agenda, through development of the State Voluntary Response program.

** This portion of the Combined Superfund Grant is awarded as a contract, "B" funding. The Brownfields's dollars are awarded through the Department of Health, Hazard Evaluation and Emergency Response (HEER) Office to be used for pilot cleanup and redevelopment projects. Currently DBEDT is the selected recipient of the award in an effort to cleanup specifically selected State lands for redevelopment to stimulate economic growth.

4.5.4. Federal Facilities Cleanup Grant

The Department of Defense/State Memorandum of Agreement (DSMOA) program was established by the federal government to cover reimbursement of costs incurred by the state in providing oversight services to the Department of Defense (DOD) installations conducting environmental cleanup activities funded under the Defense Environmental Restoration Program (DERP). A 2-year Cooperative Agreement (CA) application was submitted in June 2000 and an approval was received to obtain reimbursement funding to cover FY2001 and FY 2002 costs incurred by Hawaii in the DSMOA Program. The DSMOA funds are given to the State based on the State's request for advanced or reimbursement payment. There is no carry over of funds unspent in each year of the 2-year Cooperative Agreement. If there is need for additional funding the Cooperative Agreement allows for the renegotiation for increased funding.

Table 13 HEER Office DSMOA Federal Facilities Grant

			<u>FY 2001 Budget</u>	<u>FY 2001 Expended</u>
A. Funds	1	Geologist, SR 24		
	3	EHS IV, SR 22		
	<u>0.5</u>	Clerk Typist, SR 8		
	4.5	Subtotal	203,009	118,659
B. Funds			53,679	32,529
C. Funds			<u>1,600</u>	<u>4,257</u>
			\$258,288	\$155,445

APPENDICES

A, B & C

APPENDIX A

2001

THREE DEPARTMENT OF HEALTH ERRF HTH 840 FUNDED PROGRAMS

5.0 THREE ENVIRONMENTAL PROGRAMS RECEIVING HTH 840 ERRF FUNDING

There are currently three other State agencies working with the HEER Office on site response and remediation, the Solid & Hazardous Waste Branch, the Safe Drinking Water Branch and the Environmental Management Division. These Environmental Programs are partially funded by the oil tax portion of the ERRF as stated in Chapter 128D, Environmental Response Law.

5.1. Solid and Hazardous Waste Branch

The Environmental Response Revolving Fund provides support for the following program activities within the Solid and Hazardous Waste Branch (SHWB):

USED OIL MANAGEMENT AND RECYCLING

Since promulgation and incorporation of state used oil management regulations into HAR 11-279 (Hazardous Waste Management), hazardous waste inspectors have been inspecting used oil transporters and processors. It is evident from the inspections conducted from 7/1/99 to 6/30/00 that there is a problem with the proper management of used oil in the state of Hawaii. Facilities that were inspected under hazardous waste management were also inspected for used oil compliance. The goal of the Hazardous Waste Program is to insure compliance. By working with the Waste Minimization Coordinator, the program plans to provide technical assistance via workshops and handouts to generators, transporters and processors of used oil. An even bigger problem is the disposition of the used oil. Closures of the sugar mills that accepted and burned used oil have left the processors and transporters scrambling for places to take the used oil. Ideas and solutions are now being discussed among the state, military and private entities to alleviate the buildup and storage of used oil, and ultimately to prevent illegal dumping of used oil.

MANAGEMENT OF LEAKING UNDERGROUND STORAGE TANK (LUST) SITES

The EHS III and EHS IV of the LUST staff, and the geologist were assigned 457 cases involving releases of petroleum from Underground Storage Tank (UST) systems in Hawaii. The staff provided timely review of release response documentation and actions, which included meetings, not only with owners and operators of UST systems, but also with consultants and contractors. The staff ensured compliance with federal UST regulations. As of June 30, 2001, 1007 cleanups had been initiated at 1,602 confirmed release sites in Hawaii. Approximately 42% of sites (680) have completed their work.

The EHS IV, LUST staff, also performed a semiannual update of the DOH's UST database. Updating the UST database is a service provided to consultants and contractors. The real estate, banking, and petroleum industry benefit from timely access to the information in the UST database. For example, consultants use the UST database to obtain information for environmental assessments (i.e., to determine if petroleum releases occurred at facilities and adjacent properties). The LUST staff also gave presentations regarding leaking underground storage tank regulations and release cleanup requirements to various groups.

INSPECTION OF UNDERGROUND STORAGE TANK FACILITIES

The UST staff helped to develop draft state UST rules that have been reviewed by U.S. EPA and a UST committee representing Hawaii's small business interest. The DOH conducted statewide information meetings and public hearings on the rules in November and December 1999. The UST rules were adopted and became effective on January 28, 2001. Between January 28, 2001 and June 30, 2001, staff conducted 44 field citation inspections and issued 24 citations. Staff also reviewed and issued nine permits for the installation and operation of new UST systems. The two EHS IIIs, UST staff, conducted compliance inspections at facilities with UST's in Hawaii to ensure that release detection equipment were properly installed, maintained and operated. The goal of the compliance inspections is to prevent releases of petroleum and hazardous substances from UST systems and to minimize the volume of a release if one does occur.

During the compliance inspections, the UST staff also checked UST systems to ensure compliance with the federal December 22, 1998, UST requirements. By December 22, 1998, all UST systems were required to meet corrosion protection standards, have spill, and overfill prevention equipment installed. It is estimated that 81 - 90% of the regulated UST's have met the 1998 deadline and have a monthly leak detection method.

The two EHS IIIs, UST staff, assisted consultants and contractors who requested and reviewed facility records. Timely review of facility records assists the banking, real estate and petroleum industry to complete transactions involving the sale or return of properties that were affected by petroleum releases. The two EHS IIIs, UST staff helped the UST Unit process requests for public records. The UST EHS IV tracked and reviewed the daily work activities of two EHS IIIs. The EHS IV was also designated as the Safety Coordinator for the Solid and Hazardous Waste Branch and ensured that staff had proper equipment for field inspections.

5.2. Safe Drinking Water Branch

In FY 2001, the Environmental Response Revolving Fund (ERRF) continued to provide support for personnel and activities related to the protection of drinking water quality through the surveillance of public water systems, the protection of new and existing sources of potable water, and the provision of technical assistance to persons on rain-water catchment systems. Hawaii's extremely high quality drinking water needs continuing protection from preventable forms of contamination, and where necessary needs to be treated to return it to its original excellent state. The use of these funds for drinking water activities also qualified Hawaii for additional federal funds for use in administering safe drinking water activities.

The ERRF supported ten positions within the Safe Drinking Water Branch during FY 2001. Responsibilities of these positions include: conduct of sanitary surveys; review and approve substantial modifications of public water systems (including treatment plants); develop and implement the capacity development program; develop new rules and regulations; administer the Lead and Copper Rule; develop and administer the drinking water treatment plant and distribution system operator certification program; administer, implement, enforce, and do surveillance of a permitting program for underground injection control facilities; provide additional drinking water monitoring support; and provide clerical support.

REASSESSMENT OF STATE STANDARD FOR 1,2,3-TRICHLOROPROPANE

1,2,3-Trichloropropane (TCP) has been found in groundwater sources on Oahu, Maui and Kauai, both in drinking water sources and irrigation water. Although primarily considered a solvent, it's presence in Hawaii groundwater is believed to be related to the cultivation of pineapple due to its occurrence in areas of existing or past pineapple activity. There is no federal standard for TCP in drinking water. For this reason, the state of Hawaii currently requires that public water systems meet a state standard for TCP in drinking water of 0.8 micrograms per liter (0.8 parts per billion or eight hundred parts per trillion). This standard is based on a 1985 study of information known about TCP. In FY2001, the Department of Health contracted with the Sapphire Group Inc. to review the latest information concerning TCP and recommends the following standard. The contract calls for an assessment of the current exposure of persons served by affected water systems, the recommendation of a standard for TCP, and a cost benefit analysis of the recommended level. This report is expected to be completed in mid FY2002.

SANITARY SURVEYS

Sanitary Surveys continue to be a vital function in the protection of drinking water quality. These periodic reviews of public water systems are required to assure that the systems are operated, maintained and managed in a manner that provides the maximum amount of protection of drinking water. These surveys identify needs and provide recommendations for system improvement. Environmental Response Revolving Funds provided staff and travel costs for SDWB personnel to conduct these surveys. EPA, through primacy conditions in its Interim Enhanced Surface Water Treatment Rule has greatly expanded the size and scope of sanitary surveys for surface water systems. It is proposing to extend these same additional requirements to groundwater systems through the currently proposed Groundwater Rule. All sanitary surveys will have to address eight components: source; treatment; distribution system; finished water storage; pump facilities and controls; monitoring data verification; water system management and operation; and operator certification.

LEAD AND COPPER RULE ADMINISTRATION

The Environmental Response Revolving Fund continued to fund the staff person responsible for the administration of state and federal lead and copper rules. This rule differs from other drinking water rules because it looks for lead and copper contamination of the water under conditions, which are most likely to demonstrate lead and copper contamination (i.e. in single family homes built after 1982 utilizing copper pipes joined by leaded solder and under conditions of long-standing water.) Public water systems which are found to exceed an "action level" of 15 micrograms per liter (parts per billion) for lead or 1.3 milligrams per liter (parts per million) for copper, are required to institute treatment which will reduce the aggressive nature of the water. This usually involves control of the characteristic known as pH (measure of acidity/alkalinity) of the water.

During FY2001, SDWB continued to work with the owners of systems, which exceed either the lead or copper action levels or both to identify and implement an effective treatment to reduce the occurrence of lead or copper in their systems. Primary emphasis has been placed on those systems, which currently exceed the lead action level. Currently, the SDWB is working with the six systems, which exceed the lead action level. These systems are: South Kohala, Niulii, Makawao, Honokohau, Lower Kula and Kokee State Park on the islands of Hawaii, Maui and Kauai. Characteristically, they use surface water or shallow groundwater.

These systems are also required to comply with ongoing public notification and education efforts to assure that residents served by them are appraised of the best ways of reducing potential lead exposure in their residences.

DEVELOPMENT AND IMPLEMENTATION OF DISINFECTANT/DISINFECTION BY-PRODUCTS RULE & INTERIM ENHANCED SURFACE WATER TREATMENT RULE

The Interim Enhanced Surface Water Treatment Rule (IESWTR) and the Disinfectant - Disinfections By-Products Rule (D/DBPR) were passed in December of 1998. Work to develop these federal requirements into state regulations continued during FY2001. This involves a long process of proposal and acceptance, negotiation, and further proposals of many regulatory and primary enforcement issues for each regulation. It is projected that these two regulations will be ready for public hearing in May 2002. The IESWTR is intended to increase treatment and other requirements originally promulgated under the Surface Water Treatment Rule. With new concerns over the organism *Cryptosporidium*, a smaller and more disinfectant-resistant microbe, EPA found that it needed to increase filtration removal/inactivation requirements. In addition, EPA is adding extensive new: turbidity performance criteria; individual filter monitoring requirements; disinfections profiling and benchmarking provisions; watershed control for *Cryptosporidium* requirements; sanitary survey requirements; and requiring additional authorities to enforce correction of deficiencies found during these water system reviews. Chlorine and other chemicals used to disinfect water (disinfectants) react with other water constituents to form what are known as "disinfections by-products". The D/DBPR sets standards for specific by-products of the disinfections process based on their annual average concentrations.

STANDARDS FOR THE DISINFECTION PROCESS:

Max Contaminant Levels (mg/l)

<u>By-Products of the Disinfection Process</u>		<u>Max Contam. Level</u>
1	<u>Total Trihalomethanes</u> (Total concentrations of Chloroform, Bromodichloromethane, Dibromochloromethane, & Bromoform)	0.080 mg/l
2	<u>Haloacetic acids</u> (Total concentration of monochloroacetic acid, dichloroacetic acid, (five)(HAA5) trichloroacetic acid, monobromoacetic acid & dibromo-acetic acid)	0.060 mg/l
3	Chlorite	1.0 mg/l
4	Bromate	0.010 mg/l

Max Disinfectant Residual Levels (mg/l)

<u>Disinfectants</u>	<u>Max Residual Disinfectant Level</u>
1 Chlorine	4.0 (as Cl ₂) mg/l
2 Chloramine	4.0 (as Cl ₂) mg/l
3 Chlorine Dioxide	0.8 (as ClO ₂) mg/l

While the IESWTR is intended to strengthen protection against microbial contaminants, the DDBR seeks to reduce the potential health risks from disinfection byproducts. The implementation of both rules will require a delicate balancing of the health risks associated with treating surface water (i.e., reduce the generation of disinfections byproducts without significantly reducing microbial removal or inactivation).

PROTECTION OF EXISTING AND POTENTIAL SOURCE OF DRINKING WATER (HAWAII UNDERGROUND INJECTION CONTROL PROGRAM)

The Hawaii Underground Injection Control program is an environmental regulatory program whose purpose is to monitor and control injection well activity in order to prevent groundwater pollution. Groundwater pollution can be a serious problem directly affecting the quality of drinking water sources, as well as indirectly affecting the quality of water in streams and at beaches. Injection wells are used to dispose of wastewater from various activities, for example, sewage treatment, industrial processes, aquaculture, and surface runoff. Each of these activities, and more, has the potential to cause groundwater pollution. For this reason, injection well activity is specifically targeted for monitoring and control because injection wells are direct, open conduits into the subsurface and are often constructed directly into groundwater.

Monitoring and control over injection well activity are accomplished by the use of an underground injection control (UIC) permit issued by the Department of Health. The operator of an injection well must obtain the UIC permit before operating the injection well. The UIC permit stipulates discharge standards, operating conditions, and water quality testing and reporting requirements in order to prevent or minimize groundwater pollution. Violators of the UIC permit, or the regulations for injection wells under Hawaii Administrative Rules, Title 11, Chapter 23, can be fined and ordered to perform corrective action. Notwithstanding the risks to Hawaii's groundwater resources, injection wells provide an important alternative method for wastewater disposal for facilities that cannot access the municipal sewer system or cannot discharge through an outfall. For the calendar years of 1998, 1999, and 2000, the approximate number of injection well facilities in Hawaii have slowly increased, i.e., 704, 732, and 758 respectively.

CERTIFICATION OF OPERATORS OF PUBLIC WATER SYSTEMS

The ERRF supports two staff persons, one professional and one clerical, to administer a program for the certification of operators in public water systems. These two positions provide staff support to the Board of Certification of Public Water System Operators (a five-member board appointed by the Governor). Initially, this program targeted the operators of treatment plants, but has recently been expanded to include operators of distribution systems. The intent of this program is to assure that those responsible for drinking water treatment and distribution have the appropriate training to provide water of the highest possible potable quality. Under this program, operators qualify for classifications of grades one through four depending on their education, training, and experience. Water systems are required to maintain appropriate grades of operators for their respective treatment plants and distribution systems. This program formally added the responsibility to certify operators of distribution systems of public water systems to its certification requirements during FY2001. A revision of Chapter 11-25, Hawaii Administrative Rules, which became effective in January 2001 now sets forward requirements pertaining to these operators.

During FY2001, applications for distribution system operator certification were received for the first time. More than 300 applications for distribution system operator certification were received and processed by the staff of the SDWB and reviewed by the Board of Certification. Refresher courses were developed and sponsored for operators interested in preparing for the first certification examinations. These courses were given in June 2001. Certification examinations for each discipline are now given twice per year.

ASSISTANCE TO OWNERS AND USERS OF RAINWATER CATCHMENT SYSTEMS

Rainwater catchment systems generally serve single-family residences, which do not come under Department of Health regulations. These systems are not restricted to the same type of governmental requirements as public water Systems, yet they are vulnerable to many forms of contamination. It is estimated that there are more than 10,000 of these systems on the Big Island, with substantially smaller numbers known to exist on the islands of Maui, Oahu and Kauai. In compliance with Act 218 of 1997, the Safe Drinking Water Branch continued to lend technical assistance to users of rainwater catchments systems. The primary form of this assistance was direct response to telephone inquiries about rainwater catchments systems. Most of these inquiries concern the disinfection of the rainwater catchments system, however, others have involved everything from routine maintenance to the finding of insects and animals (both alive and dead) in their water catchments tanks.

The program also has provided technical review of a draft informational brochure being developed by the College of Tropical Agriculture and Human Resources, University of Hawaii (CTAHR). Staff of the Hilo office of the CTAHR has recognized the substantial need for information by persons using rainwater catchment as the source of the water for their homes, and has done tremendous work in compiling this effort.

CAPACITY DEVELOPMENT PROGRAM

The ERRF funding also supports staff assigned to implement the capacity development program. The objective of the capacity development program is to assure that all public water systems have sufficient technical, financial and managerial resources to manage, operate and maintain a public water system which is capable of complying with existing drinking water regulations. Current Hawaii regulations prohibit the establishment of new public water systems that do not have adequate capacity to comply with existing drinking water regulations.

During FY2001, two major objectives were identified. The first objective is the Haloacetic acids (five)(HAA5) maintenance and/or improvement of existing capacities for water systems with the current capability of complying with drinking water rules and regulations. The second objective is to identify those existing systems which are having difficulty meeting current regulations due to lack of capacity, and provide assistance to these systems. To meet these two objectives, contract specifications were developed for two contracts. The first contract was for training of managers and operators throughout the State. The second contract involved the direct technical assistance of five water systems determined to be in need of such assistance.

The benefit of the second contract is actually two-fold. First, it would improve the management, operation and maintenance of the five systems, and second, it would potentially qualify these systems for loans as provided for under Drinking Water Revolving Loan Fund. It should be mentioned that while ERRF funds are used for the contract development and administration, the contracts themselves are funded through federal revolving funds.

5.3. Environmental Management Division

The Data Processing Systems Analyst V (DPSAV) is the computer network manager for the Environmental Management Division. The network manager supports and maintains the LAN/WAN connections for the division. Responsibilities of this position include providing a reliable daily backup, ensuring users have access to their data files, and providing email and Internet connectivity. The network manager is also working to improve and upgrade network servers and connections.

APPENDIX B

2001

DEPARTMENT OF HEALTH

STATE SITE LIST

Priority Ranking Site List

Site	Address	City	Island	ISST	ISST	Site Manager
Aiea Laundry			Oahu		Medium	
Aircraft Reclamation (Pharmacy Area) AOC KNMD-EA12			Oahu	4/15/1996	Medium	
Alexander and Baldwin Dump Site	W Papa Ave	Kahului	Maui	10/26/1995	Medium	Laura Young
Aloha Tower Development	Piers 8-14 Honolulu Harbor, Nimitz Hwy	Honolulu	Oahu	12/15/1995	Medium	
Amelco Corporation	645 Halekauwila St	Honolulu	Oahu	6/27/1994	Low	
American Linen (Young's Laundry & Dry Cleaning)	2771 Waiwai Loop	Honolulu	Oahu	4/8/1999	Low	
Barbers Point Harbor Expansion	Barbers Point Harbor	Kapolei	Oahu	6/7/2000	Medium	
Barbers Point Naval Air Station, Ordy Pond		Honolulu	Oahu	11/20/1995	Medium	
Barbers Point Naval Air Station; Coral Pit, Ordnance Pond, Sanitary Landfill	Barbers Point	Barbers Point	Oahu	7/6/1995	Medium	
Barbers Point Naval Air Station-Former Sewage Treatment Plant			Oahu	1/29/1996	Low	
Battery Acid Neutralization Shop/Building 2002 (KNMD-EA05)			Oahu	1/29/1996	Medium	
Battery Acid Pit, Bldg. 394			Oahu	3/30/1995	Medium	
Bird Builders	Amala Pl	Kahului	Maui	12/21/1994	Medium	
BMW Dealership	767 Kapiolani Blvd	Honolulu	Oahu	6/7/2000	Low	
Borden Meadow Gold Dairy	9250 Kaumualii Hwy	Waimea	Kauai	6/26/1997	Low	
Brewer Chem Corporation, Puhi	3-1480 Kaumualii Hwy	Puhi	Kauai	11/2/1994	Medium	
Brewer Chemical Corporation	91-291 Kaomi Loop	Kapolei	Oahu	12/29/1995	Low	
Brewer Environmental Industries-Pacific Street	311 Pacific St	Honolulu	Oahu	12/29/1995	Medium	
Building 8	Pearl Harbor Naval Shipyard	Pearl Harbor	Oahu	8/31/1995	Medium	
Camp H. M. Smith	Building 600, Box 64122	Aiea	Oahu	4/15/1996	Medium	Mike Miyasaka

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Site	Address	City	Island	ISST	ISST	Site Manager
Cartwright Neighborhood Park	Keeaumoku St & Matlock Ave	Honolulu	Oahu	11/22/1999	Low	
Century Aviation Inc.	98 Kapalulu Pl	Honolulu	Oahu	3/9/2000	Medium	
Chemwood Treatment Co, Inc.	91-476 Komohana St	Kapolei	Oahu	4/12/1996	Low	
Chevron Kahului Bulk Terminal	100-A Hobron Ave	Kahului	Maui	10/29/1996	Medium	
Chevron USA Hawaiian Refinery	91-480 Malakole St	Kapolei	Oahu	12/29/1995	Medium	
Coco Palms Sewer Pump Station	4511 Haleilio Rd	Wailua	Kauai	3/21/1995	Medium	
Coco Palms UST Excavation	4511 Haleilio Rd	Wailua	Kauai	4/8/1999	Low	
Cooke Street Lead Contamination	501 Cooke St	Honolulu	Oahu	11/1/1996	Low	
Cyprus Hawaiian Cement Corp	91-055 Kaomi Loop	Ewa Beach	Oahu	12/2/1996	Low	
Del Monte Corp. (Oahu Plantation)	927 Luawai St	Kunia	Oahu	9/7/1995	High	
Dillingham and Mokauea	Dillingham Blvd & Mokauea St		Oahu	10/29/1996	Low	
DOH Honokaa	45-3380 Mamane St	Honokaa	Hawaii	8/28/1997	Low	
Dole Cannery	801 Dillingham Blvd	Honolulu	Oahu	12/15/1995	Low	
DRMO Manana Storage Area	P.O. Box 580	Pearl City	Oahu	3/2/1995	Medium	Mike Miyasaka
E & E Black Contractors	Amala Pl	Kahului	Maui	5/26/1994	Low	
Ewa Junction Fuel Drumming Facility			Oahu	3/30/1995	Medium	
Ewa Repair Shop/Tesoro (Fort Weaver Road)	91-1669 Fort Weaver Rd	Ewa Beach	Oahu	2/3/1999	Low	
Ewa Sugar Mill/Oahu Sugar Co. - Coral Wastepit		Ewa Beach	Oahu	10/8/1999	Low	
Ewa Sugar Mill/Oahu Sugar Co. - Kunia Staging Area			Oahu	2/3/2000	Medium	
Ewa Sugar Mill/Oahu Sugar Co. - Pesticide Mixing/Loading Site		Ewa Beach	Oahu	10/17/2000	High	
Farrington High School	1564 N King St	Honolulu	Oahu	6/22/1995	Low	
Flynn-Learner Property	120 Sand Island Access Rd	Honolulu	Oahu	12/16/1994	High	Mike Miyasaka
Former Masterworks at Lihue Airport	3130 Ahukini Rd	Lihue	Kauai	2/22/1999	Medium	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Site	Address	City	Island	ISST	ISST	Site Manager
Former Masterworks at Lihue Airport	3130 Ahukini Rd	Lihue	Kauai	2/22/1999	Medium	
Former Ziegler Steel Site	2919 Ualena St	Honolulu	Oahu	4/8/1999	Low	
Fred L. Waldron, Ltd	91-254 Olai St	Kapolei	Oahu	4/15/1996	Low	
Grace Pacific Corporation	99-1300 Halawa Valley St	Aiea	Oahu	3/19/1998	Low	Amy Baylor
GTE-Hawaiian Tel Employees Federal Credit Union (HTEFCU)	1138 N King St	Honolulu	Oahu		Low	ISST
Hakuyosha Hawaii, Inc.	730 Sheridan St	Honolulu	Oahu	3/3/1995	Medium	
Halawa Animal Quarantine Station	99-941 & 951 Halawa Valley St	Aiea	Oahu	4/12/1996	Medium	
Halemaka Street/Kuntz Avenue Motor Pool (AOC KNMD-EA58)	Halemaka St & Kuntz Ave		Oahu	1/12/1996	Low	
Hall Mark Dry Cleaners	1470 Liliha St	Honolulu	Oahu	10/8/1998	Low	
Hamakua Sugar Company, Inc.-Haina Sugar Mill			Hawaii	4/3/1998	Low	
Hanua Street Petroleum on Groundwater	91-209 Hanua St	Kapolei	Oahu	1/18/2000	Medium	
Hatada Bakery, Former	55 Kukuau St	Hilo	Hawaii	6/4/1999	Medium	
Hawaii Fueling Facilities Corporation-Pier 51A	Pier 51A Honolulu Harbor	Honolulu	Oahu	3/1/2000	Medium	
Hawaii Job Corps Center	7600 Koko Head Park Rd	Honolulu	Oahu	8/25/1997	Low	
Hawaii Metal Recycling Company	91-056 Hanua St	Kapolei	Oahu	2/15/1996	High	Bill Perry, Bryce Hataoka, Jim
Hawaii Metal Recycling Company Pier 35	Pier 35 Honolulu Harbor	Honolulu	Oahu	7/28/1994	Medium	
Hawaii Pest Control	56A Wiwoole St	Hilo	Hawaii	3/3/1997	High	
Hawaii Project Management (HPM)/Hawaiian Western Steel, Inc. Beach Dump	Kaomi Loop	Honolulu	Oahu	12/21/1994	Low	
Hawaii Project Management (HPM)/Hawaiian Western Steel, Inc. Beach Dump	Kaomi Loop	Honolulu	Oahu	6/27/1997	Low	
Hawaiian Electric Company (HECO)-Honolulu Generating Station	170 Ala Moana Blvd	Honolulu	Oahu	3/11/1996	Low	
Hawaiian Electric Industries Lalamilo Windfarm		Kamuela	Hawaii	9/8/1998	Low	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Site	Address	City	Island	ISST	ISST	Site Manager
Hawaiian Sugar Planter's Association Kunia Substation	Kunia Rd	Kunia	Oahu	1/29/1996	Medium	Laura Young
Hawaiian Western Steel Dump	Hanua St & Malakole St	Ewa Beach	Oahu	6/26/1997	Low	
Hertz Rent A Car, Vehicle Maintenance Facility	414 Lele St	Honolulu	Oahu	4/7/2000	Low	
Hilo Arsenic Spill	150 Keaa St	Hilo	Hawaii	11/1/1995	High	Laura Young
Hilo Landfill	Leilani St	Hilo	Hawaii	3/26/1996	Low	
Hilo Quality Washerette	210 Hoku St	Hilo	Hawaii	12/2/1996	Medium	Laura Young
Honokohau Industrial Park-Lower Boat Park Soil Contamination	Queen Kaahumanu Hwy	Kailua-Kona	Hawaii	7/3/2001	Low	
Honolulu Community College Gas Station	Dillingham Blvd	Honolulu	Oahu	12/11/1997	Low	Ross Kuge
Honolulu International Airport	300 Rodgers Blvd	Honolulu	Oahu	2/23/1995	Medium	
Honolulu Shipyard, Inc.	Ewa of Pier 40	Honolulu	Oahu	7/28/1994	Low	
Honolulu Shipyard, Inc.	Ewa of Pier 40	Honolulu	Oahu	7/6/1995	Low	
Honolulu Shipyard, Inc.	Ewa of Pier 40	Honolulu	Oahu	10/29/1996	Medium	
Honolulu Skeet Club			Oahu	3/25/1996	Low	
Industrial Technology Tire Pile	87-459 Mailiili Rd	Waianae	Oahu	6/11/1999	Medium	
Industrial Waste Treatment and Disposal/Building 2016 (KNMD-EA09)			Oahu	1/29/1996	Medium	Greg Olmsted
Jackson Construction Landfill	Hananui St, North end	Ewa Beach	Oahu	2/8/1996	Low	
Kaiser Cement Corp. Waianae Pt	Lualaulei Access Rd	Nanakuli	Oahu	4/15/1996	High	Laura Young
Kanaha Pond Industrial East Site	Amala PI	Kahului	Maui	9/8/1998	Medium	Amy Playdon
Kanaha Pond Industrial Site		Kahului	Maui		Medium	Amy Playdon
Kanaha Pond Industrial West Site	261 Amala PI	Kahului	Maui	9/8/1998	Medium	Amy Playdon
Kapalama Incinerator	757 Kokea St	Honolulu	Oahu	5/2/1997	Medium	Eric Sadoyama
Ka'u Agribusiness, Herbicide Mixing Plant (HMP)		Pahala	Hawaii	4/8/1999	Medium	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Site	Address	City	Island	ISST	ISST	Site Manager
Kauai Agricultural Research Center (Agent Orange/Pesticide Sites)	Near the UH Wailua Agricultural Station	Wailua	Kauai	10/8/1999	High	
Kauai Electric-EMD Lube Oil Berm at Eleele Port Allen Generation Station	4392 Waialo Rd	Eleele	Kauai	7/15/1997	Low	Ross Kuge
Kawailani Laundromat	511 W Kawailani St	Hilo	Hawaii	9/8/1998	Low	
Keehi Lagoon Canoe Facility, Increment II	Hoonee Pl	Honolulu	Oahu	11/26/1994	Medium	
Kekaha Sugar Co., Ltd.	8315 Kekaha Rd	Kekaha	Kauai	11/8/2001	High	
King Kalakaua Plaza (Waikiki Gateway Park)	Kalakaua St & Kalaimoku St	Honolulu	Oahu	11/17/1995	Medium	Greg Olmsted
Kipapa and Waikakalaua FSA and Hickam POL			Oahu	11/9/1995	High	Greg Olmsted
Koula Street Baseyard	160 Ahui St	Honolulu	Oahu	8/8/1997	Medium	
KTA/Davies Property	500 Kalaniana'ole Hwy	Hilo	Hawaii	3/11/1999	Medium	Tricia Nagatani/Bryce Mike Cripps
Kualapuu Well 17		Molokai	Molokai		Medium	
Kumumauu Canal (KNMD-SD03)			Oahu	11/20/1995	Medium	Greg Olmsted
Kunia Field Station	Kunia Rd	Kunia	Oahu	2/2/1995	Medium	
Kuntz Avenue Entrance Dump Area (AOC KNMD-EA39)			Oahu	2/15/1996	Low	
Kuntz Avenue Entrance Salvage Yard (AOC KNMD-EA44)			Oahu	2/15/1996	Low	
Leach Field, Industrial Waste Disposal AOC KNMD-EA38			Oahu	4/15/1996	Medium	Greg Olmsted
Leeward Auto Wreckers, Inc.	91-209 Kuhela St	Ewa Beach	Oahu	2/12/1996	Medium	
Lihue Plantation Company, Ltd.	2970 Kele St	Lihue	Kauai	11/8/2001	High	
Like Like Plaza Petroleum Contamination	745 Keeaumoku St	Honolulu	Oahu	10/8/1999	Low	
Lockheed Air Terminal, Inc.	3071 Aolele St	Honolulu	Oahu	6/7/2000	Medium	ISST Screener: Laura Young
Longs Drug Stores Warehouse	2270 Hoonee Pl	Honolulu	Oahu	2/19/1998	Medium	
Maili Kai Emergency Access Road	Hakimo Road (Mauka)	Waianae	Oahu	9/24/1997	Medium	Charley Langer
Manager's Drive	Managers Dr	Honolulu	Oahu	11/8/2000	High	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Site	Address	City	Island	ISST	ISST	Site Manager
Manuwai Canal Storm Drainage System (KNMD-SD02)			Oahu	11/9/1995	Medium	Greg Olmsted
Maui Business Park Oil Contamination	370 Dairy Rd	Kahului	Maui	2/16/1996	Low	
MCBH Kaneohe, Building 1091 Oil Transfer Area		Kaneohe	Oahu	11/20/1995	Low	
MCBH Kaneohe-Firebomb Mixing Area		Kaneohe	Oahu	12/27/1995	Medium	Curtis Moore
MCBH Kaneohe-Skeet Shooting Range		Kaneohe	Oahu	12/29/1995	Medium	Curtis Moore
Meadow Gold Ice Cream Plant Fuel Oil Spill	1418 Young St	Honolulu	Oahu	6/27/1997	Low	Kathi Moore
Meadowgold Facility Waimea Kauai	1841 Leleiona St	Lihue	Kauai	9/17/1998	Low	
Motor Imports	650 Kapiolani Blvd	Honolulu	Oahu	10/8/1999	Low	
Motor Pool Storm Drain (KNMD-SD04)			Oahu	11/20/1995	Medium	Greg Olmsted
Motorola Iolehaehae Diesel Generator Site	Iolehaehae Cinder Cone		Hawaii	6/9/1998	Low	
Nakamura Sales & Service Site [Former]	16-541 Old Volcano Rd	Keaau	Hawaii	3/3/1999	Low	
Nanakuli Groundwater Contamination			Oahu	4/15/1996	High	Amy Baylor
Nawiliwili Harbor Pier 1 Fuel Contamination	Pier 1	Lihue	Kauai	2/12/1996	Low	
Old HIANG Area Contaminated Soils (KNMD-EA11)			Oahu	1/29/1996	Medium	Greg Olmsted
Oscar 2 Pier	Pearl Harbor Naval Shipyard	Pearl Harbor	Oahu	8/31/1995	Medium	
Pacific Missile Range Facility	W Kaunaulii Hwy	Kekaha	Kauai	4/29/1996	Low	
Pacific Missile Range Facility, Fire Fighting Pit No. 1	W Kaunaulii Hwy	Kekaha	Kauai	8/1/1995	Low	
Pauley Petroleum	Pier 32/33 Honolulu Harbor	Honolulu	Oahu	7/28/1995	Medium	
Pearl City Junction	Kamehameha Hwy	Pearl City	Oahu	8/31/1995	Medium	
Pearl City Peninsula			Oahu	3/2/1995	Medium	Curtis Moore
Pearl Harbor Naval Base, Subsurface Oil			Oahu		Medium	
Pearl Harbor Sediment Study			Oahu	3/2/1995	Medium	Mike Miyasaka

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Site	Address	City	Island	ISST	ISST	Site Manager
Pesticide/Herbicide Vehicle Wash Area (near Building 1220) KNMD-EA08			Oahu	4/15/1996	Low	
Pesticide/Herbicide Vehicle Wash Rack AOC KNMD-EA07			Oahu	4/15/1996	Medium	Greg Olmsted
Pioneer Mill--Lahaina	380 Lahainaluna Rd	Lahaina	Maui	11/14/2001	High	
Pukoloa Wood Treating Site (formerly Servco Pacific Inc.)	2819/2841 Pukoloa St	Honolulu	Oahu	11/15/1996	Medium	Amy Baylor
Queen Emmalani Tower	Queen St & South Streets	Honolulu	Oahu	4/29/1996	Low	
Rainbow Hauling	Amala Pl	Kahului	Maui	12/21/1994	Low	
Red Hill Facility			Oahu		Medium	Mike Miyasaka
Roberts Hawaii	759 Kelikoi St	Honolulu	Oahu	11/15/1996	Low	
Schofield Barracks, NCO Academy, Building 6055		Schofield Barracks	Oahu	3/6/1995	Low	
Sears Facility #1578 at Pearlridge Mall	98-180 Kamehameha Hwy	Aiea	Oahu	6/7/2000	Low	Steven Okoji
Selland Construction, Inc., Kihei Base Yard	454 Ohuki Rd	Kihei	Maui	7/6/1995	Low	
Shizuku Hamaoka Trust	3311 Sierra Dr	Honolulu	Oahu	7/3/2001	Low	
Snow White Linen, Former	75-5705 Kuakini Hwy	Kailua-Kona	Hawaii	11/2/1998	Low	
South Tributary to the Kumumau'u Canal KNMD-EA70			Oahu	4/15/1996	Medium	Greg Olmsted
State Poultry Processors Facility	2132 Kaliawa St	Honolulu	Oahu	9/17/1998	Low	
Sun Sun Lau Chop Suey House	1055 Kinoole St	Hilo	Hawaii	1/7/1997	Low	
Texaco Barbers Point Sales Terminal Gasoline Spill	91-119 Hanua St	Kapolei	Oahu	4/3/1998	Medium	
Texaco Hilo Sales Terminal	999 Kalaniana'ole Ave	Hilo	Hawaii	11/8/2000	Medium	
Texaco Hilo Sales Terminal	999 Kalaniana'ole Ave	Hilo	Hawaii	11/8/2000	Medium	
Texaco Service Station #61-100-0093	87-1942 Farrington Hwy	Waianae	Oahu	10/15/1998	Medium	Steven Okoji
Texaco Terminal	91-119 Hanua St	Ewa Beach	Oahu	4/15/1996	Medium	Laura Young
Tosco Bulk Plant #0316	74-5558B Kaiwi St	Kailua-Kona	Hawaii	12/11/1998	Medium	Steven Okoji

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Site	Address	City	Island	ISST	ISST	Site Manager
Tosco Bulk Plant #0316	74-5558B Kaiwi St	Kailua-Kona	Hawaii	1/18/2002	Low	Steven Okoji
TOSCO Bulk Plant Number 0323	76 Hobron Lane	Kahului	Maui	3/2/1995	Medium	
Towco - Sand Island	16-1 Sand Island Parkway Rd	Honolulu	Oahu	12/21/1994	Low	
Town Inn	1200 College Walk	Honolulu	Oahu	3/2/1995	Low	
Transportation Squadron Contaminated Soil (KNMD-EA06)			Oahu	1/29/1996	Medium	Greg Olmsted
Tributary to Kumumau'u Canal, South of Old HIANG Area AOC KNMD-EA20			Oahu	4/15/1996	Medium	Greg Olmsted
Tripler Army Medical Center, Building 125A	Tripler Army Medical Center, Building 125A	Honolulu	Oahu	3/2/1995	Low	
U.S. Coast Guard Omega Station	Kaneohe	Kaneohe	Oahu	12/29/1995	Low	
University of Hawaii, Marine Center	1 Sand Island Access Rd	Honolulu	Oahu	7/6/1995	Low	
University of Hawaii, Marine Center	1 Sand Island Access Rd	Honolulu	Oahu	10/29/1996	Low	
USPS Vehicle Maintenance Facility Hydraulic Fluid Spill	89 Sand Island Access Rd	Honolulu	Oahu	6/4/1999	Low	ISST Screener: Laura Young
Volcanoes National Park Soil Contamination			Hawaii	6/22/1999	Low	
Waiakea Pond/Hawaii Cane Products Plant		Hilo	Hawaii	12/29/1995	Medium	
Waiale Ash Pile	Mahalani St	Wailuku	Maui	8/10/2000	High	
Waialua Sugar Company, Inc.	Kealohanui St	Waialua	Oahu	11/14/2001	High	
Waiawa Gulch	Pearl City Industrial Park Installation 15080, along Waihona Street	Pearl City	Oahu	11/20/1995	Medium	
Wailua Homestead Wells	Kiowai Pl	Kapaa	Kauai	4/10/2000	High	
Wainaku Mill		Hilo	Hawaii	7/6/1995	Low	
Wash Racks/Building 2025 and Near Building 1055 (KNMD-EA22)			Oahu	1/29/1996	Medium	Greg Olmsted
Waterfront Manor	96-023 Waiawa Rd	Pearl City	Oahu	10/19/1995	Medium	Mike Miyasaka
Yacht Harbor Towers Generator	1600-1650 Ala Moana Blvd	Honolulu	Oahu	6/4/1999	Low	

APPENDIX C

2002

DEPARTMENT OF HEALTH RELEASE NOTIFICATION LOG

HEER Office Release Report Database

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000701-0904 7/1/2000	Sheen-Coco Marina	7192 Kalaniana'ole Blvd	Hawaii	Oahu	96825	Unknown sheen in harbor.	Unknown	Unknown Ocean	Unknown
20000706-0725 7/6/2000	Kona Fuel & Marine fuel	Honokahau Harbor	Kailua-Ko	Hawaii	96740	Kona Fuel operates 3 on water fuel dispensers as well as on dry land at the harbor. A second rubber gasket was left on the spin-on filter assembly. When pressurized the gasket blew out causing release. Note: this release was originally estimated at 35 gl	1-2 gal into ocean, boom and absorbent was used, available on site.	Diesel Fuel (red) Ocean	3-5 gal
20000706-1003 7/6/2000	"Baywatch Hawaii" gas	Haleiwa Harbor	Haleiwa	Oahu	96712	The material spilled from a stunt vehicle (car). The car entered the water during a stunt causing a spill. CPO	Other	Sheen was allowed to dissipates naturally. Ocean	1 quart
20000712-1311 7/12/2000	DRILL DRILL Kawaihae harbor oil spill	Kawaihae Harbor	Kawaihae	Hawaii	96743	DRILL DRILL Ruptured hose from a barge caused a release.	Equipment failure.	DRILL DRILL Booms applied, absorbents applied, material contained, clean up Ocean	5 barrels

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000715-1035	Termites in home			96822	Termites in home. Told landlord, nothing done.		Contacted City and County Housing Inspector, Number 527-6308. If damage is visible they will	Unknown	
7/15/2000		Honolulu	Oahu					Air	
Called on 7/25/00, she had worked out agreement for the owner to tent the house.									
20000715-1611	Unknown Sheen - Waianae Boat Harbor	Waianae Small Boat Harbor			unknown sheen in water			Unknown	
7/15/2000			Oahu						
20000719-0630	Pearl Harbor Bravo 21	Pier B21 Pearl Harbor		96860	Oil sheen reported at Bravo 21, Pearl Harbor. Robert Golden, Pearl Harbor Code 30 notified NRC. Cynthia Pang also notified NRC and said that report number 535900 was given. Have yet to receive NRC report 535900.	Unknown		Oil - DSM	7 gal.
7/19/2000			Oahu					Water	
20000719-0813	Crude Oil Spill (Drill)				Tanker vessel overfilled a tank during internal transfer. This is a drill.			Unknown	
7/19/2000			Oahu						
20000719-1449	Unknown Sheen - Pier B 21 - Pearl Harbor	Pier B21 Pearl Harbor			Unknown sheen in water			Unknown	
7/19/2000			Oahu						

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City Island	ZIP					
20000724-0651	Ala Wai Marina Sheen	Ilikai Marina Hotel	96815	Unknown sheen discovered in Ala Wai Marina.		None	Unknown	
7/24/2000		Honolulu Oahu					water	
20000725-0811	Pacific Air Cargo hydraulic oil spill	Honolulu International Airport, South	96819	Hydraulic lines (2) failed on a T90 main-deck loader (equipment #52).	Equipment failure	Cleaned up spill, replace all the hydraulic lines.	Hydraulic Oil	15 gal
7/25/2000		Honolulu Oahu					Asphalt	
20000726-0720	Fishing vessel-owner	Nimitz Hwy	96817	Caller stated there is a leak in the steering system on the callers vessel. Cause of leak is unknown. Sheen color is	Unknown	Absorbents applied.	Unknown	Unknown
7/26/2000		Honolulu Oahu					Ocean	
20000726-0837	Dead vegetation along Manoa Stream			Reported dead vegetation along Manoa Stream bank beside a bridge on Woodlawn		Site visit conducted and soil sample taken to UH lab for analysis	Unknown	
7/26/2000		Honolulu Oahu						

Report came from Representative Case's office. T. Corpus and L. Galvez spoke with staff from Department of Land and Natural Resources who were maintaining the stream bank. They said that they noticed the dead vegetation since 7/25/00. Rodeo is being used to control the vegetation, but they have not used it recently. It appears that there was something sprayed and some mulch/dirt that was dumped. Sample was taken and dropped off at UH lab for analysis. 7/31/00: Received lab report from UH - presence of heavy hydrocarbon such as motor oil - however intensity is not very high - indicated.

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000726-1404 7/26/2000	Tosco Tank Farm- tank #2792	411 Pacific St		96817	While working on tank 2792, bolts were loosen on a 3" line running to the top of the tank (20' high). Fuel inside the 3" line was subsequently released. NRC report: While contractor was installing a slip blind on a fuel tank, the material was released		Placed a catch pan under 3" line, vacuum truck pumping tank bottoms from same tank, was used to pump liquid accumulating in catch pan. Spilled fuel cleaned up. NRC report: contained, material spilled into second containment, clean up, crew on site.	Diesel & black oil	20-30 gal
		Honolulu	Oahu					Soil	
Written 8/2/00: confirmed abandoned line was loosen and fuel in line spilled when contractor was inserting slip blind. Clean up completed 7/26/00, 15:20 hrs. Vacuum truck for Liquid, soil to waste drums.									
20000727-1700 7/27/2000	Dep't Agriculture Animal Quarantine, Holding Facility	Honolulu International Airport, Gate 28		96819	Hydrocarbon odor in animal cage area. Hazmat response-believe from floor drain. Sampled drain. Results pending. Gasoline spill from generator in JAL Maintenance Next-door space. Vapor pulled into air conditioner.		Set up ventilation, sampled, asked airport engineers to find drain	Unknown	one quart
		Honolulu	Oahu					Air	
Supervisor of Quarantine Holding said night shift employee complained of a gasoline like odor. Hazmat responded twice on 7/27. Hazmat thought the fumes were from floor drain and flushed same with water. Requested HEER on scene. Airport Ops person and fuels person from Airport Group International on scene. Ruled out jet fuel and ramp fueling area drains. SOSC unable to obtain floor drain plan Thurs eve, set up cross ventilation. Friday 7/28, returned to scene and caused engineering to find drain line. Floor drains collect Laterally from adjacent spaces and run to street under quarantine space. Took 2hour draw on carbon absorber tube from drain in cage area, and water sample from same for UH analysis. Airport personnel checked aircond, and found that next-door JAL maintenance had left rollup door up approx 6 inches and created positive pressure in interior from wind. Gasoline generator in the JAL space. SOSC Terry Corpus discovered the carburetor had leaked approx one quart of fuel onto mat under engine. Airport Ops told JAL to remove									
20000729-1130 7/29/2000	Aina Haina Beach Area	Wailupe	Peninsula	96821	report of greengrowth on exposed reef, minus tide, dead eels and puffer fish, pungent rotten smell	unknown	Await any secondary verification of incident from other parties	Unknown	
		Aina Haina	Oahu						
Area by Calvary Church observed by caller. He talked to another fisherman who complained of odor and dead eels at unknown Hawaii Kai location. Low tide was at 0730. Large area of reef was exposed. Caller, Glen, said he saw a light greenish growth on the reef. A second call was received at 1620 from Nick, DLNR dispatch (587-0077), that they had received a call of an observation at 0730 of greenish substance at Kawaiui Park, Wailupe Pt, Aina Haina. No other info was received.									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000729-2048 7/29/2000	Seal Team Vehicle diesel spill	Wasp Blvd, Ford Island		96818	Truck spilled diesel fuel while launching small boat.	Operator error	Naval Base Environmental clean up crews have recovered product with absorbent pads.	Diesel Fuel Ocean	1 gal
20000729-2142 7/29/2000 see above	Haleiwa Surf Condo	66-303 Haleiwa Rd		96712	Unknown person spilled malathion on driveway. Odor is bothering residents.	Dropped bottle of malathion	HFD Hazmat had instructed to wash down. SOSC additionally recommended inactivation with one half cup Clorox in one gallon water, then soap.	Malathion Concrete	1
20000731-0021 7/31/2000	Pier 40 oil spill	Pier 40 Honolulu Harbor			Atlantis Submarine Maintenance reports oil in water from unknown source at	unknown	Atlantis said that USCG was on the way to release for response.	probable lube oil Ocean	30 yes
Chief Carl Palmer responded for USCG and opened OPA Fund to hire Penco for cleanup. He indicated that they thought pollutant was lube oil, 30 gallons. RP was unknown pending COIL analysis.									
20000731-1533 7/31/2000	Tripler Medical Center	Jarret White Rd		96819	Fuel oil (diesel) was discovered during refueling operations. Driver reported approx. 1-2 gallons of fuel spilled on 7/26/00. Upon further investigation, it is believe that approx. 20-30 gallons was spilled. Soil contaminant covered an area 10' x 20'.	Unknown		Unknown Soil	20 - 30 gals.
About 6" of soil to be excavated for cleanup according to Mr. Stelter.									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000731-1821 7/31/2000	Continental Airlines JP spill	Gate 15, flight 14	Honolulu Oahu	96819	Plane had stuck fuel sump valve. Stuck, valve at bottom of fuel to check for water, valve was open when plane was fueled. Spill on concrete. No drains involved.	Equipment failure	Maintenance absorbed spill. No fuel went into drains. 8/8/00 Written: Jet A fuel, aux tank sump valve stuck open. 55 gals released. Used absorbent to soak up all spilled fuel. Own spill response team and supplies to clean the spill.	JP fuel Concrete	100 gal
20000731-2055 7/31/2000	Smith Maritime "Namoku"		Honolulu Oahu	96817	Material released from the barge 'Namoku' due to leaky valve. See 20000731-2203	Equipment failure	diesel fuel released to deck due to valve shaft leak on deck. Most of fuel spilled on deck but 1 pint went overboard. Absorbent cleanup.	Diesel Fuel Water	1
20000801-1437 8/1/2000	Matson Container Ship	Pier 51 Honolulu Harbor	Honolulu Oahu	96808	Liquid leaking over the fill spout from a container. Absorbent used to contain spill. Vessel name unknown. Incident occurred 800 miles out of Honolulu.	Unknown		Sodium Hydroxide Other	.5 - 1 gal.
Dale Hazlehurst called in notification at 2:49 p.m., 8/1/00									
20000801-2104 8/1/2000	Gear Collapsed on Airplane-aviation n gas spill	300 Rodgers Blvd	Honolulu Oahu	96819	Aircraft landed on runway 4 right. Gear collapsed causing aircraft to leak material.	Equipment failure	Material contained with sorbents. Aircraft taken to Maintenance facility.	Gasoline, Aviation Asphalt	15 gal

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000802-1328	Three Phase transformer oil spill	Coral St & Ilalo St		96813	Three (3) phase transformer bank fall off pole, unassisted. Spilled 45 gal of non-PCB oil. Ala Moana by Kakaako Park. Written 9/5/00 Transformer bank fell off pole for unknown reasons. Oil impacted road and small patch of dirt.		Used asorbent for asphalt, then did solvent wash. 30 Sq. ft of soil removed, then back filled. Disposal of soil will probably go to landfill at Waimanalo Gulch. Written 9/5/00 Granular used for free	Transformer Oil	45 gal
8/2/2000		Honolulu	Oahu					Asphalt, soil	
Pentatone solution used on asphalt, contaminated soil removed and replaced with clean fill. Cleanup completed on Aug. 2, 2000.									
20000802-1436	Dumped	1810 9th Ave		96816	Caller stated there was a car battery dumped at the address location which has started leaking material.	Dumping	None	Battery	1
8/2/2000		Honolulu	Oahu					Soil	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000803-1240	Mauna Kea Daylilly Gardens Pesticide Dumping	E and 7th st, Hawaiian Acres Subdivision		96760	Past property owner emptied out various pesticides at entrance to driveway after taking possession of them from present property owner. Note: Case numbers differ between HEER and Penco although rest of information coincide.	Knowing release	Hilo Hazmat response/ request for HEER assistance. Covered up area, evac residents of Daylilly Gardens, barricade street. HEER cleanup 8/4.	mixed pesticides and herbicides see below	3
8/3/2000		Kurtistow	Hawaii					Soil	

Mauna Kea Daylilly Gardens is a partnership of Mr. and Mrs. Billie Walker and is a flower growing business, which ships its whole plant product primarily to the mainland for sale. The location is near the corner of E and 7th on 7th in the Hawaiian Acres subdivision. The area is very rural. Mr. Walker purchased the business from Mr. Guy Pierce one year and nine months ago. Before that, Mr. Pierce operated as Mauna Kea Daylilly Gardens at that location for 8 years. Oct '98 The Walkers purchased the lot and business. Mr Pierce holds the mortgage, and therefore has the right to come on the premises for inspection, which he has done several times often removing the hybridized plants for his own use. Mr. Walker states that the payments go to a bank in So Dakota and then to Pierces ex-wife per their divorce decree. On wed 8/2 Pierce made an appointment to come out at 10am. Mr. Walker told him that he would like Pierce to remove the box of pesticides and herbicides that Pierce had left on the site when he sold it in Oct of '98 Mr. Pierce agreed to take the box saying that his father could probably use them. Mr. Pierce was prompt in arriving at 10am on Thurs 8/3. Mr. Walker's first priority was to load Pierces black plastic box of pesticides into Pierces truck. He took a photo of the boxful. The box was described as 18 inches by 24 by 3 feet. Mr Pierces visit lasted one half hour, during which he criticized the Walkers operation. He had said that he would need fifteen minutes, and Mrs. Walker asked him to leave since he had over stayed his agreed on time, and she did not like him. Mr. Pierce said he would be another ten minutes, and seemed a bit antagonized himself. He left at 1030 am with the box of pesticides. The Walkers daughter Rachel who resides on the site returned from town at 1240 and discovered the dumping at the front of their driveway. Liquid pesticides, herbicides, and powder were dumped on the ground, and on top of some of the daylillies. The area contaminated was on the road easement belonging to Hawaiian Acres although the property owners all own shares in the roads, and some of the spill was into the Walker property. Mr. Walker believes that Pierce doesn't reside in the area but may be staying with his father who does live nearby on Kulani St. At 2 pm the Walkers daughter Rachel Leyva returned from Hilo with the photos that Mr. Walker had taken of the dumping as discovered, and the box of pesticides as turned over to Mr. Pierce. Ms Leyva said she realized right away that Pierce had dumped out the chemicals as soon as she saw the area and smelled the pesticides. She said that Mr. Pierce was not a pleasant man and acted like a jerk. He treated people disrespectfully. She said she believed that the next-door neighbor had a TRO on Pierce for allegedly poisoning her dog and throwing things at her.

20000804-1255	Tripler Med. Ctr. - Abestos	1 Jarrett White Rd		96859	Abestos released during removal of piping and pipe insulations. Discovery was based of samples taken of material in boiler room at Tripler Medical Center. 1st sample was negative and second came out positive.	Removal of pipe insulation	Written:8/17/00 Bldg 1 exterior boiler pipe and bldg 122. Cause of spill was initial asbestos bulk samples. Piping estimated at 35-40 linear ft , 18 in. in diameter. Staging was bldg 122. Areas were secured after second samples showed asbestos.	Unknown	Unknown
8/4/2000		Honolulu	Oahu					Air	

Clean up done by Coopers International, PWC Pearl Harbor. Completion expected on August 10,2000.

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000807-2149	Australian Submarine Corp-diesel	Sierra Pier, Pearl Harbor		96818	Overflow the day tank.	Operator error	Public works is recovering product with vac trucks and pads. Crews will continue to monitor the surrounding water. No sign of fuel in the water at this time.	Diesel Oil	150 gal
8/7/2000		Honolulu	Oahu					Ocean	
20000808-0905	Improper storage of 2,4,5-T (Silvex) and Mirex				Received report of drums containing cancelled		Notified Grace Simmons of the Hazardous Waste Section of the DOH's SHWB who knows about the incident.	Unknown	
8/8/2000	<p>Allegations of 7 x 55 gallon drums containing 2,4, 5-T (Silvex) and Mirex on Gay and Robinson's property. Use of pesticides are cancelled; disposal will be classified as a hazardous waste. Spoke with Grace Simmons who indicated that the pesticides have been disposed of appropriately as hazardous wastes. Grace Simmons will contact Ann Kam of Dept. of Agriculture, Pesticides Branch, to provide her with the information. 10/30/00: SOSC received a call from Howard Greene, Gay & Robinson, Inc., to clarify the allegations. He stated that the drums were not dumped; there were storage and mismanagement issues with regards to discontinued pesticides. However, the drums have been disposed of appropriately. No further action at this time.</p>								
20000808-1005	Intermittent Diesel fumes - Palolo area	end of Magnolia Place		96816	Reported diesel smell near Pukele Sub-Station, a Hawaiian Electric sub-station located in Palolo.			Unknown	
8/8/2000		Honolulu	Oahu						
<p>Caller reported intermittently smelling diesel. Caller is a resident of Palolo. Noticed smell on Sunday, 8/6 at around 10:30 p.m. and lingered until the morning. On 8/8, caller smelled it again. A neighbor also smelled it. L. Galvez requested caller to talk and ask her neighbors if they smell similar smells at the same time she does and to note the times and wind direction the next time that caller smells the odor and to call DOH. Caller was also requested to ask the neighbors to do the same. L. Galvez called Donn Fukuda of the Hawaiian Electric to inquire if any diesel is being used at the Pukele station; no diesel is used. There are transformers located at the substation. Smell could be coming from a construction site near the vicinity. Information to be referred to the Clean Air Branch. 8/9/00: Complainant called back to say that the source of the smell was from her neighbor</p>									
20000808-1135	Maalaea Generating Facility, Maui Elec.	N Kihei Rd		96753	Flange not properly hooked up. Written 9/5/00 Leaky flange.		30 gals recovered, contaminated soils being excavated. Written 9/5/00 Cleanup was completed by IHI contractors. Immediate area was contained and cordoned off. Contaminated soil was removed and replace with clean fill.	Hydraulic Oil	80 gal
8/8/2000		Maalaea	Maui					Soil	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000808-1222	Western Auto Hydraulic oil	141 Haili St		96720	Area where 3 mechanical lift hoist were, 10 gals hydraulic oil. No staining, samples showed positive. 5-10 yds of soil hauled away to West Hawaii Landfill. RP: Advance Auto Parts, Bill Cobble-Director of Risk Mgn., P.O. Box 2710, Roanoke, VA. 24001.		Ducan Walker called in report on 8/08/00. Cobble's phone is: (504) 561-1759. Property owner Robert Nip, Security Partners, c/o Kam Horwath Co., 700 Bishop St., Ste. 1700, Hono. 96813, Ph. 524-8080. Written report will be sent in.	Hydraulic oil	10 gal
8/8/2000		Hilo	Hawaii					Soil	
20000809-0632	ATA fuel spill--Century Aviation	Gate 16, Honolulu International Airport		96819	While filling "main " tank, wing tanks overfilled. Apparently, the order of filling the tanks was wrong. Century Aviation was filling the American Trans Air (ATA) L1011 airplane.		Spill cleaned up by Aloha Airlines.	Jet Fuel A	50 gal
8/9/2000		Honolulu	Oahu					Concrete	
20000809-0941	Unknown smell by Mililani Uka School	Mililani area			Report of a terrible stench.		Notified Clean Air (Susan) and asked if there were any other reports received. There were none.	Unknown	
8/9/2000			Oahu						
Received a report of a stench starting at 0925 hours in the Mililani Uka School area. Requested caller to conduct further investigation, talk to neighbors and to provide more specific information. Notified Clean Air (Susan) and asked if there were other reports; there were none. Caller called back to say that she found the source - a neighbor was spraying something on his wall and that she will discuss the matter with the neighbor. Notified Susan of Clean Air. No further action at this time.									
20000809-1330	Dumping of drums - 1150 Alakawa Street	1150 N Alakawa St		96817	Report of abandoned buckets and drums adjacent to a bank of a stream, but located on a private property. Containers are stable and are not leaking.		Site visit conducted	Unknown	
8/9/2000		Honolulu	Oahu						
Received a call from Mr. Albert Miyashiro, City and County of Honolulu (527-5337) regarding abandoned drums and buckets behind 1150 N Alakawa Street, adjacent a stream bank. Site visit was conducted. Observed 5 x 5 gallon plastic buckets (appear to be: 1 containing rags, 3 containing what appeared to be oil, 1 containing putty-like material); 1 x 5 gallon metal container (oil); 1 x 55 gallon poly drum (oil); and, 1 x 33 gallon trash can (grease and cooking oil). The containers are stable and are not leaking. Met with Mr. Steven Nariyoshi (telephone 255-5635), property manager. He indicated that 1150N Ala Kawa is currently empty. The former tenant, Spectrum Termite and Pest Control Company, did not leave the containers there. Mr. Nariyoshi observed that the 5 gallon buckets were dropped off abandoned about 2.5 months ago, the 55 gallon plastic drum about 2 weeks ago, and the trash can about a week ago. Mr. Nariyoshi was informed that owner of the property is responsible for disposing of the containers and its contents appropriately. Mr. Nariyoshi has contacted environmental consultants (Ekahi Environmental and Biocare) to dispose of containers appropriately.									

Case No.	Site Name	Street	County	Incident Description	Cause
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HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

of RIs Date	Initial Response Location	City	Island	Substances ZIP	Quantity Release	Media	RQ
20000809-1608	Hawaii Tug & Barge	705 N Nimitz Hwy		96817 Fuel spill at Pier 21. Oil, Fuel: #2-D ; overflowed of fuel tank causing material to be released into water. Booms applied, absorbents applied, material contained. Vessel involved is the Catherine Foss.	Unknown	No response by SOSOC. Mark Cohen, Hwn Tug & Barge notified NRC.	Diesel Fuel #2 50
8/9/2000		Honolulu	Oahu			Water	
20000809-1733	Drill Drill-Tanker	Barbers Point		96707 Drill Drill Tanker aground at Barbers Point, engine failure, lost 3,000 barrels. Written: engine problems, loss of steering. Suspect No 1 Centre bottom plate damaged. Drifting W SW direction. Have request for barges for lighting cargo. Pump cont.	Engine failure	and stirring pump being used to transfer No 1 to 2 wing and p/slop. Using HBL method to contain leakage.	Crude Oil 3,000
8/9/2000		Kapolei	Oahu			Ocean	
20000810-1745	United Laundry chlorine gas release	2291 Alahao Pl		96819 Report of a chemical spill.	Operator error	Site visits conducted by Terry Corpus and Liz Galvez	12% Sodium hypochlorite and 35% Phosphoric 20 pounds
8/10/2000		Honolulu	Oahu				

On 8/10/00, at approximately 3:25 p.m., the Honolulu City and County (C/C) Fire HazMat Unit 1 called the Department of Health's Office of Hazard Evaluation and Emergency Response (HEER) that they were responding to a chemical spill at United Laundry Services, Inc., located at 2291 Alahao Place, Honolulu. United Laundry is a commercial laundry facility. Terry Corpus and Liz Galvez of the HEER Office responded to the call and arrived on site at approximately 4:20 p.m. The C/C Fire had established a command post. People in the area approximately 1/4 mile downwind south of the facility were evacuated, including 140 employees of United Laundry. Laundry workers were not allowed to retrieve their personal belongings until the all-clear signal was given. The C/C HazMat Unit conducted a Level A entry to determine the source of the release and to mitigate the emergency. The release occurred at approximately 3:15 p.m. The source of the release occurred in the chemical storage area of the facility. During a normal delivery and transfer of chemicals, contents of a 55-gallon of 12% sodium hypochlorite (Ultra Chlor) was accidentally transferred into a 200-gallon storage tank containing 35% phosphoric acid (High Sour), producing an estimated 20 pounds of chlorine gas (State reportable quantity in accordance with HRS 128D, Hawaii Environmental Response Law, is 10 pounds). An employee of ABC Corporation, a vendor of United Laundry to provide cleaning chemicals for the facility, was conducting the transfer. Air monitoring was conducted by the C/C Fire HazMat and levels up to 33 parts per million (ppm) were detected adjacent to the source [the Immediately Dangerous to Life or Health (IDLH) concentration is 10 ppm]. Subsequent monitoring by the C/C HazMat immediately outside the doors of the facility located downwind of the incident were negligible. At approximately 7:20 p.m., the emergency phase was over and the C/C Fire demobilized and left the scene. HEER personnel stayed on-site and recommended to United Laundry that (1) the source of the release (the tank and the drums) be completely sealed to prevent any chlorine gas escaping and that the drums and the tank be removed from the property, and (2), air monitoring be conducted in the premises prior to allowing the employees entry to work. ABC Corporation transferred the contents of the tank into 55-gallon drums and Pacific Environmental, contracted by the ABC Corp., conducted the air monitoring. Levels below 0.5 ppm were detected. Based on the information provided, at 8:35 p.m., HEER personnel recommended that work could resume at the facility. A letter of interest was given to Bruce Rosen, an employee with United Laundry; a written follow-up report will be submitted to the HEER Office which will include steps to prevent a future occurrence.

of	Initial Response	Case No.	Site Name Substances	Street Quantity	County	Incident Description	Cause
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HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

RIs Date	Location	City	Island	ZIP	Release	Media	RQ	
20000811-1630	Bioterrorism Hoax (3 Mail Threats)	101 Bishop St, 1810 N King St, 98-1637 Kiawe St		96813	HPD notified HEER SOSC of potential "Anthrax" ladened mail recovered from three separate locations. HEER/PENCO responded per FBI direction. Parcels were transported to NAVY LAB for ID and verification analysis. Results-NEGATIVE/(Anthrax	Intentional Domestic Terrorism	Per FBI direction, SOSC/PENCO retrieved parcels, transported to U. S. Navy Environmental and Preventive Medicine Unit No. Six Laboratory for identification/verification analysis.	Copper Sulfate 1/2 pounds
8/11/2000		Honolulu, Oahu Aiea					Air	
HPD notified HEER SOSC of potential "Anthrax" ladened mail recovered from three separate locations. HEER/PENCO responded per FBI direction. Parcels were transported to NAVY LAB for ID and verification analysis. Results-NEGATIVE/(Anthrax Hoax). RP undetermined, Remains under FBI, HPD Investigation.								
20000811-1844	Continental Airlines - Honolulu International Airport Gate 15 Jet Fuel Spill	Gate 15 - Honolulu International Airport		96819	Left sump drain valve on a Continental DC-10 Aircraft N14090 was stuck open during fueling by William Lindsey IV of Airport Group International releasing approx. 60 gallons of jet fuel.		Notification only.	Jet Fuel
8/11/2000		Honolulu Oahu					Concrete	
Left sump drain valve located centerline on the fuselage between a Continental DC-10 Aircraft N14090 two wings was stuck open during fueling by William Lindsey IV of Airport Group International releasing approx. 60 gallons of jet fuel. Continental crew contained the spill and used absorbent pads. In a telephone conversation with Mr. Matthew Zeidlhack, the valve will be changed. Requested a written follow-up within 30 days of the report.								
20000811-2033	Ala Wai Sheen	Between F and G dock		96815	Unknown sheen between F and G dock.	Unknown	None.	Unknown
8/11/2000		Honolulu Oahu					Ocean	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000812-1245 8/12/2000	Alleged medical waste on Likelike Highway	Likelike Highway (Kaneohe bound) and Alu Street		96819	Reported dumped medical waste on the side of Likelike Highway/ Alu Street.		Site visit conducted.	Unknown	
<p>Alleged medical waste dumped on Likelike Highway. Initial report came from the City and County of Honolulu Police Department who reported it to the State Dept. of Transportation Highways Division. HEER received the report through Hawaii State Hospital Dispatch. Keith, of State DOT Highways, said that his crew refused to pick it up since they thought that materials were medical waste. A site visit and investigation was conducted; items were not medical waste but were medical trash. Items were picked up and disposed of. Police were on-scene to assist. Police Classification: MISC PUB; Report Number: 00-306-103; initial officer: Y. Leong 2427, who is assigned to the Kalihi Police Station, phone number 529-3128. State OSC called DOT Transportation informing them of the situation. In addition, information was provided how to determine if something is</p>									
20000814-0750 8/14/2000	ACE Hardware - KONA	74-5500 Kaiwi St		96740	Store caught fire about 0100. Hilo hazmat onroute at 0645 due to runoff to dry well.			pesticides, herbicides, fertilizer, paint, PVC pipe Air,soil	unk 100
<p>HEER assist requested by Hilo Hazmat due to contaminated runoff from fire carrying pesticide/herbicide /fertilizer/PVC residue to parking lot drain which is a dry well connection to soil. FD covered drain. Twelve hundred gal water recovered by RP hired Philip Services vac truck. Philip Service shipped water sample to HEER and UH GC/MS analysis showed approx 23 organic compounds. Malathion was highest conc at 0.13ppm. Others at 0.1 ppm range. Faxed lab results to RP and C&C Hawaii Wastewater to facilitate disposal of runoff water currently stored onsite in vactruck. C&C wants heavy metals screen as well. Screen to be provided by RP.</p>									
20000814-1340 8/14/2000	Used syringe				According to Marian Marr, the caller and a property manager, tenant found a syringe in wash area of apartment. Caller wants testing and disposal of used syringe.		Requested caller to dispose of syringe using chlorox solution and a non-puncturable container (can) prior to disposing it with household trash. Informed caller that DOH will not conduct testing but she may take it herself to a private lab for analysis.	Unknown	
<p>No further action at this time.</p>									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000814-1440	Iolani School Petroleum odor	563 Kamoku St		96826	Report of a petroleum odor while geotechnical borings were being conducted. Location: in front of driveway of maintenance residence (by swimming pool and track field).		SOSC requested 1) air monitoring - flammability potential; 2) sampling and analysis to determine what type of petroleum; 3) determine past usage of site. SOSC contacted The Gas Company who said that they had a pipeline (1 1/4") in the area - relayed info	Unknown	
8/14/2000		Honolulu	Oahu						
<p>08/16/00: Conducted a site visit; contamination is discovered as a result of conducting geotechnical borings on 8/11/00. Borings were being done prior to future construction improvements in the school. Groundwater in the area is approximately 4.9 feet below ground surface. Initial PID readings: 235 pp. (background is 9 - 10 ppm). Letter of interest given. Additional point of contact: Cynthia Thompson, owner's representative for Iolani School. Telephone number: 395-6532, FAX: 394-0543. 10/16/00: SOSC spoke with Damon (Kimura International) to provide SOSC with an update. 1/24/02: Report entitled " Limited Phase II Environmental Site Assessment Report, Iolani School 563 Kamoku Street, TMK: (1) 2-7-020: Portion of Parcel 1, Honolulu Hawai'i. Prepared for: Iolani School; Prepared by: Kimura International, Inc.; report dated November 2000, was received by DOH on 2/14/2001. Based on the report, no further action.</p>									
20000814-1620	Acid bucket at corner of Ahuimanu Place and Hui koloa Place	47-361 Hui koloa Pl		96744	1-gallon of white plastic container with "Acid" label on it found abandoned on the side of the road. Container is stable and is not leaking		Requested caller to store the container out of reach of vandalism until site visit can be conducted.	Unknown	
8/14/2000		Kaneohe	Oahu						
<p>Conducted a site visit. Container of usable product-hydrochloric acid.</p>									
20000814-2020	Possible copper arsenic (Paris Green)				Green powder fell and flew all over while removing ceiling panels during a renovation project.		SOSC determined that green powder could possibly be Paris Green, an inorganic trivalent arsenic which contains copper, used as termite treatment. SOSC also requested caller to provide location of the incident.	Unknown	
8/14/2000			Oahu						
<p>SOSC also requested caller to provide location of house so that a sample of the green powder can be obtained and analyzed. Caller said that he does not have an address, all he knows is it is a very old house in Diamond Head. HEER's telephone number was provided when the caller can provide the address. 2127 hours: SOSC called the telephone number provided; there was no answer. 8/15/00 0715 hours: SOSC called the telephone number provided; there was no answer. Information to date to be forwarded to HEER's Toxicology Section (Barbara Brooks) and to Hawaii Department of Labor and Industrial Relations' (HIOSH) Occupational Health Branch.</p>									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000816-0933	Puunene Power Plant oil leak	1 Hansen Rd		96784	Fuel oil #6 leaked probaly last night, reported this morning at 6:30. 25-50 gals from broken pipe on to asphalt. Some into wastewater system (irragation ditch), boom used.	Broken pipe	Boom used in irragation ditch. Bagasse used to soak up oil on asphalt, will be burned.	Fuel Oil #6	25-50 gal
8/16/2000		Puunene	Maui					Asphalt	
20000817-0530	DRILL - Tesoro Black Oil Spill - DRILL	Single Bouy Mooring Barbers Point Harbor			Drill - Release of 1400 barrels of black oil reported		Briefing at Clean Islands Council at 0800	Black Oil	
8/17/2000			Oahu						
20000817-1521	Dropped Humvee spill	Dillingham Air		96791	Helicopter airlifting two Humvee at Dillingham airfield, unclear as to release of vechicals. Landed on ground next to airfield. Occurred at 8/16/00, 10:30. 30-35 gals of JP-8, 68 gal Hydraulic Transmission Oil. Now bringing in equipment for dirt		removal, using backhoe for dirt. Cordoned off area, contained, Humvee's sealed. Working with Dillingham Airfield	Unknown	30-35 gal, 68 gal
8/17/2000		Mokuleia	Oahu					Soil	
08/21/00: - Spoke with Richard Stelter. He said that on 8/16/00, 16 boxes, each sized 4' x 4' x 4', of soil, were excavated from the site. Four soil samples were collected, analyzed, with results pending (results are expected in approximately three weeks). Investigation is still ensuing as to the cause of the incident.									
20000818-1430	ATA hydraulic fuel spill	Between Zulu & Sierra Taxiway		96819	30-40 gals of Hydraulic fuel spilled on surface and contained. Located between Zulu and Sierra taxiways. On asphalt, cause unknown.	unknown	Absorbents applied, cleanup completed.	Unknown	30-40 gal
8/18/2000		Honolulu	Oahu					Asphalt	
20000818-2010	Fuel spill-ATA	Hard stand #4 Honolulu Int'l		96819	Release due to fuel expansion in the right wing causing it to vent out.		Cleanup completed, contractor has been hired.	Unknown	100 gals
8/18/2000		Honolulu	Oahu					Concrete	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000819-0950 8/19/2000	Maui Drum washed ashore				Drum washed ashore.		Maui HazMat responded and overpack drum. PENCO contracted, moved drum to state facility. Drum contained oil and recycled accordingly.	Oil Shore	
20000821-0826 8/21/2000	Alleged contaminants in construction dust	4783-A Kahala Ave			Caller would like testing conducted in her house due to dust entering her house as a result of construction in her neighborhood. She said that she had already spoken with Crystal of the Clean Air Branch.		Caller was told that L. Galvez will speak to Crystal Peltier of the Clean Air Branch.	Unknown Air	
<p>According to caller, she had initially filed the complaint with Clean Air Branch. "Casa Blanca", located on Kahala Avenue has been undergoing construction. As a result of the construction, a lot of dust has been entering her residence. Caller had spoken with the contractor, U.S. Pacific Construction, (her point of contact is Ed - on-site tel. No 533-7063 and company tel. No is 540-0777). Caller wants dust collecting in her house sampled and analyzed. 1100 hours: Spoke with Crystal who said that she only logged in the complaint and Jensen Yoshimoto followed up on the complaint On 8/10th. Jensen said that an informal notice of warning was given to the contractor and the sub-contractor; a follow-up visit will be done probably today. No sampling will be done by the CAB. Case to be referred to Toxicology Section to determine whether sampling is appropriate.</p>									
20000822-0957 8/22/2000	F/V Brandi Fuel Oil spill	5654 Kalaniana'ole Hwy		96821	While refueling the vessel, release material into the	Operator error	Absorbents applied, clean up underway.	Fuel Oil 2-D Ocean	10 gals
20000822-1453 8/22/2000	Pearl Harbor-Pier	Pier B13		96860	Marine diesel, .3 gals., unknown source.	unknown	Skimmer used, absorbents pads, booms to pick up oil. Pads tested then disposed of.	Unknown Ocean	.3 gal

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000822-1531 8/22/2000	Pier 19-21 sheen	Honolulu Harbor		96817	Unknown sheen sighting.	unknown	None, USCG investigators en route.	Unknown Ocean	
20000823-1310 8/23/2000	Unknown liquid stored in rubbing alcohol bottles	Honolulu International Airport			2 x 16 oz. Bottles of rubbing alcohol with unknown liquid was confiscated by International Total Services, contractor for Honolulu		Referral to Terry Kearney, Environmental person for Dept. of Transportation, Airports Division.	Unknown Ocean	
			Oahu						
<p>Notification of the incident was first given to the Airport Fire Dept, who requested caller to contact a SOSC from the HEER Office. Requested caller to keep the bottles sealed and isolated from people. Location of the bottles: Security Company's office at the Honolulu International Airport, behind TWA ticket counter, Lobby 5. SOSC notified Terry Kearney of the State DOT, Airports Division. Requested Terry Kearney to keep me informed and to call me back if assistance is requested.</p>									
20000823-2234 8/23/2000	Smell from house being tentented	310 Kealohou PI		96734	Neighbor's house being fumigated, 448 Keaniani St, opening occurred in tent, also tape patches were coming off. Strong smell of fumes. Fumigators not returning calls from Diversified Exterminator.	House being fumigated.	None, advised callers to spend the night at another location. Also, to notify Dept of Ag. of this incident.	Vikane (R) Gas Fumigant Air	
			Oahu						
20000824-0830 8/24/2000	Storage Services	Kenai Industrial		96707	Abandonment of auto salvage site leaving behind numerous drums .	abandonment of drums by operator	Site visit recon on 8/25	Unknown Soil	25 waste oil
			Oahu						

Site visit shows site approx 100x100 feet concrete. Rear rainwater drainage to ditch in soil/coral. Ocean 125 feet away separated by berm. Concrete heavy oil accumulation approx 50'x50'. Oil stain in ditch 75' long, heavy. Tire pile 8' high 25' square. Two pallets(8) drums in tire pile. Approx 25 drums standing around area. Many containing waste oil. Approx 8 empty. Others with contents unknown. Three drums appear to contain auto paint shop waste- labelled Acrylic laquer thinner. Paint residue on tops. SHWB inspectors report detecting a solvent odor when they approached. Approx 30 discarded auto batteries on site. Numerous auto parts onsite.

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City Island	ZIP					
20000826-0400	Tesoro Hydrogen Sulfide	91-325 Komohana St	96707	Release due to a hole in a pressure vessel (NRC). Equipment malfunction possible, resulting in release of Hydrogen Sulfide and Sulpher Dioxide. The equipment was shut down and currently undergoing repairs (state hospital).	Equipment failure	Shutdown system, repairs made.	Hydrogen Sulfide	100 lbs
8/26/2000		Kapolei Oahu					Air	
20000828-0722	Black Oil from storm drain	End Ala Wai canal/Seaside Ave.	96815	Caller suggested oil was boiling up from storm water outfall into the Ala Wai canal at the end of Seaside and Ala	Unknown	SOSC visit, notified Coast Guard MSO. Silt only, no sheen or oil observed.	Silt	10 lbs
8/28/2000		Honolulu Oahu					Ocean/water	
20000828-0946	Pier 21 Oil from under pump house.	Pier 21	96817	Caller stated due to heavy rains, rain water is washing oil from under the pump house into the harbor. William Decosta for Smith Maritime called NRC, phone: 271-5202. Caller plans to	Rain	Booms applied, absorbents applied, clean up	Unknown	1 quart
8/28/2000		Honolulu Oahu					Ocean	
20000828-1010	Spa Health and Fitness Center - Waimalu	98-1256 Kaahumanu	96782	Call regarding use of "Tile Clean" which contains hydrogen fluoride. Caller is complaining of poor ventilation when the cleaner is applied.		Referral to Sanitation Branch - spoke with	Unknown	
8/28/2000		Pearl City Oahu						
Caller provided the following names of people at the Spa she contacted: Jenny, manager of Waimalu Spa and Mr. Ken Gibson, district manager.								
20000829-1905	Kanuku St.--oil, grease spill	98-103 Kanuku St	96701	Line break and back up released sewage, oil colored black grease onto soil. C & C responded, cleaned, deodorized, disinfected.	Line break	SOSC visit, site cleaned via C & C, no grease entered storm drain.	Grease/oil	20 gals
8/29/2000		Waimalu Oahu					Soil	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000830-1249 8/30/2000	Upena St contaminated soil	84-683 Upena St		96792	Landlord introduced new topsoil to lot. Tenant suggested from a contaminated		SOSC site visit, soil not from contaminated source.	Soil	1/2 yard
		Makaha	Oahu					Soil	
20000831-1317 8/31/2000	Lihue Airport old dry well	Ahukini Rd		96766	Building industrial subdivision, old dry well found under bldg. 100 gals slippery hydrocarbon found. Sending out for			Unknown	100 gals
		Lihue	Kauai					Soil	
9/20/00: Spoke with Norris of Underground Injection Control (UIC)- site is actively being overseen by them. Site is referred to UIC.									
20000831-1434 8/31/2000	Ahukini Road well dumping	Ahukini Rd		96766	While closing an underground well it was discovered there had been dumping into the well, 2,000 gals motor oil. Caller reports motor oil in a dry injection well, no water		Excavated soil, contractor has been hired.	Motor Oil	2,000 gals
		Lihue	Kauai					Soil	
20000831-1930 8/31/2000	Dead wholphin (half dolphin/half whale) washed ashore				Received a call from the Honolulu Fire Department regarding disposal of a dead wholphin (half dolphin/half whale) that washed ashore after being attacked by sharks.		Referred caller to contact the Department of Land and Natural Resources DOCARE at 587-0077.	Unknown	
			Oahu						
20000901-0001 9/1/2000	Continental Airlines - 3 gallon spill	Gate 15 - Honolulu International Airport			3 gallon jet fuel spill - automatic shut off bypassed		Spoke with JR of maintenance for more information. SOSC determined that notification is a courtesy call - spill less than	Unknown	
			Oahu						

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	Island	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City		ZIP					
20000901-0715	City and County of Honolulu - H-Power radiation	91-174 Hanua St		96707	Detected a hot load from a dumptruck. 4400microrems on cab and 400ur 400 feet away		Requested caller to isolate the cab. Referred call to Noise and Radiation - spoke with Jimmy Ikeda	Unknown	
9/1/2000		Kapolei	Oahu						
	Referral to Noise and Radiation								
20000901-1420	Honda Windward	45-671 Kamehameha Hwy		96744	Caller reports he was ordered by Lot Tech Mgr to dump antifreeze down drain on weekly basis.	dumping	under investigation	Ethylene Glycol Antifreeze	unk
9/1/2000		Kaneohe	Oahu						5000lbs
	Caller reports that lot techmgr, Les Kiefer, ordered lot techs like himself to pump off 5 gal buckets of used automotive coolant from 55 gal drums and gradually pour them down the drain at the wash bin located at left rear of lot. Caller no longer works for Honda Windward.								
20000901-1507	Kauai Sugar Storage--Lihue Plantation	Waapa Road--Nawiliwili		96766	Two (2) vertical AST, out of service 5 yrs. Soil in secondary containment.		Remove tanks first.	Bunker C	Unknown
9/1/2000		Lihue	Kauai					Soil	
20000902-0908	American Trans Air - 30 gallon jet fuel spill	Gate 15 - Honolulu International Airport		96819	30 gallon jet fuel spill - vented out of wing due to heat expansion		Notification only - requested a written follow-up within 30 days	Unknown	30 gallons
9/2/2000		Honolulu	Oahu						
20000902-0915	Kulaimanu WWTP - NPDES exceedance			96783	Exceedance of NPDES permit - total chlorine effluent - 0.12 mg/l (permit is 0.005 mg/l)		Ascertain that public would not be affected. SOSC spoke with Lyle Hirota who said that contact time is 1/2 mile away from shoreline and is in a fairly inaccessible area.	Chlorine	
9/2/2000		Pepeekeo	Hawaii						
	Referral to Clean Water Branch.								

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	County	Incident Description	Cause of Initial Response	Substances	Quantity	Media	RQ	
RIs Date	Location	City	Island	ZIP		Release				
20000902-1020	Sewage spill - 411 N. King St.	411 N King St					108 gallons of sewage starting at 0821 hours. Entered some storm drains, probably entered Nuuanu Stream. Cause: grease. Cleaned, disinfected, deodorized. Completed at 1000 hours	Notification only.	sewage	
9/2/2000			Oahu							
	Referral to Clean Water Branch and Wastewater Branch.									
20000902-1315	American Trans Air - 2 gallon jet fuel spill	Gate 15 - Honolulu International Airport					2 gallon spill; 1 quart entered a storm drain. Vented from the wing - boost pump was not working	Notification only - courtesy call since spill is less than the reportable quantity.	Unknown	
9/2/2000			Oahu							
	No further action.									
20000903-0950	Wahiawa WWTP - down odor control	111 California Ave		96786			Loud noise from the odor control unit so they shut it down until cause can be determined	Requested them to continue odor monitoring.	Unknown	
9/3/2000		Wahiawa	Oahu							
	Referral to Clean Air Branch and to Wastewater Branch.									
20000903-1007	Lahaina Harbor sheen	Lahaina Harbor		96761			Caller is reporting oil sheen in harbor. Patches of black oil in the harbor.	Unknown	None	Unknown
9/3/2000		Lahaina	Maui						Ocean	
20000903-1135	Allegations about unsanitary conditions at Moiliili Burger King						Allegations about pieces of wire in the meat of a whopper	Caller was told that the incident will be referred to the Sanitation Branch.	Unknown	
9/3/2000			Oahu							
	Referral to Sanitation Branch.									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City Island	ZIP					
20000903-1245	Allegations of unsanitary conditions at a kennel	84629 Lahaina St		Allegations of unsanitary conditions at a kennel owned by Tony Perreira. Incident ongoing for almost two months.		Caller was told to contact the Humane Society. Call also to be referred to Vector Control.	Unknown	
9/3/2000		Makaha Oahu						
No further action. Caller was told to call Humane Society. Incident to be referred to Vector Control.								
20000903-1322	USNS Seay	Berth F 12 Pearl Harbor (Ford Island)	96818	During passage from Baltimore to Hawaii, developed leak in shaft.	Equipment failure	Divers investigated and said that there was a small unmeasurable leak from propellers. Ship will be boomed at all ports.	Hydraulic Oil	
9/3/2000		Honolulu Oahu					Ocean	
20000903-1500	Aliamanu WWTP sewage spill	1429 Oleander Pl	96818	5,000 gallons of sewage spill - 1800 gallons entered a storm drain. Incident occurred from 0900 - 1200 hours.		Notification only.	Unknown	5,000 gal
9/3/2000		Honolulu Oahu					Storm Drain/concrete	
Referral to Wastewater Branch and to Clean Water Branch.								
20000905-1019	Sheen Kewalo Basin	Kewalo Basin	96814	Unknown sheen in harbor.	Unknown	None.	Unknown	
9/5/2000		Honolulu Oahu					Ocean	
20000905-1212	Transmission fluid spill	Berth Fox Trot 12/Ford Island	96818	Loaded military vehicles onto ship, off loaded vehicle after noticing problem. Spill on pier, rained and went into	Equipment failure	Skimmer, absorbents, booms used in water. Pier cleaned up. Items will be dried than packed for disposal. Written 10/18/00 Cleanup by Navsta Osot.	Unknown	less then 1 gal
9/5/2000		Honolulu Oahu					Ocean	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000905-1730	Honeybee nest in Pearl City				Honeybee nest developed within a day. Described as 16 inches in length and 6 inches wide. Caller is concerned that school children who walk by her property may be attacked.		Caller was referred to Vector Control.	Unknown	
9/5/2000			Oahu						
	Referral to Bee Keeper's Association.								
20000905-1815	Reaction with a Spider Bite				Caller would like more information about a spider that bites; bit people have a severe reaction. Spider described as a small black spider with black and gold coloring.		Caller was told that caller will be referred to the proper governmental agency.	Unknown	
9/5/2000									
	Referred to Vector Control.								
20000905-2230	Reaction from North American red-stripe turtle				Caller requesting information about North American red-stripe turtles. Someone got bit and is experiencing a		Caller was told to contact Department of Agriculture. Caller was also referred to Vector Control.	Unknown	
9/5/2000									
	Referral.								
20000906-1617	DRILL collision Star Tuna and Mt. Horizon	Honolulu Harbor		96817	DRILL Star Tuna and Mt. Horizon collided in Honolulu Harbor. 50 barrels of diesel in water. Release was from the Star Tuna port fuel oil tank.	Equipment failure	DRILL Contact cleanup crew. Caller stated NR Corp. would contract local company to do cleanup in connection with Clean Isle Council. They would boom, spill management, mobilize crews.	Diesel Fuel	50 barrels
9/6/2000		Honolulu	Oahu					Ocean	
20000907-0135	Sewage Spill in a private residence	94-066 Leolua Str			Caller reported a sewage spill and insisted on contacting a DOH personnel.		Requested caller to contact the City and County of Honolulu Environmental Services and/or a private contractor.	Unknown	
9/7/2000		Waipahu	Oahu						

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000907-1500	Abandoned transformers - Pier 19	Pier 19 - Honolulu Harbor			Abandoned 6 transformer containers containing oil. Some of the oil has spilled onto asphalt.		Sample collected and to be taken to be brought to the UH lab for analysis.	Unknown	
9/7/2000			Oahu						
<p>9/7/00 1620 hours: According to a witness, Mr. Patrick Ross, Sea Engineering, Inc., a marine construction company leasing space at Pier 19, the containers were discovered on Tuesday, 9/5/00. A New Zealander named Graham "Skipper", pager number 514-2219, is allegedly the person who is responsible for leaving the containers. "Skipper" has hired Asians to strip the copper out of the transformers. This person drives a van. This person also has been getting the transformers from Eddie's Electric located at Campbell Industrial Park. According to Mr. Ross, "Skipper" was going to be back at around 5:00 p.m. today. Mr. Ross was requested to contact the Harbor Police as soon as the person arrives. SOSC requested Cedric Tanaka, DOT Harbors to be aware and to notify the Harbor Police in advance. 09/20/00: On 9/14/00, three of the transformer containers were discovered on the former Storage Services, Inc. lot at Kenai Industrial Park, 91-543 Nukuawa Street, Lot 14. In addition, 4 x 55 gallon drums were alongside the transformers: C-78: open top, full, black; C-79: open top, full, metal, label was painted over; C-80: metal bung, full, "Methyl Ethyl Ketone" placard with Van Waters and Roger label, Lot No LB029839896 Bar Code 299981"; C-81, metal bung, 1/3 full, "Unocal" label "76 Guardol-QLT40". SOSC was unable to contact Alan Murakami of DOT; spoke with Cedric Tanaka who said that all the oil left DOT property on Tuesday, 9/19/00. "Notice of Improper Response Action" was issued on 9/19/00.</p>									
20000908-1000	Diesel oil spill from a leak in fuel return line	Puloku and Kukuau Street, Sunrise Estates		96720	Diesel spill due to leak in fuel return line		Requested Hawaii District Health Office to ensure that absorbent material being used will be cleaned	Diesel Fuel	5 gallons
9/8/2000			Hilo	Hawaii					
<p>9/8/00 Report received from Clifford Furukado, Hawaii District Health Office. 5 gallon diesel fuel spilled which covered a long distance. Responsible party, Jas. W. Glover, Ltd., used "Sphag Sorb" to clean up. Pads and Booms were also used around storm drains and dry wells. There were heavy rains at the time of the spill and the cleanup. At 1445 hours, the roadways had been cleaned and the booms and pads were removed. No further action at this time.</p>									
20000908-1108	Oil applied on dirt/gravel road	Dirt road between Kapolei Knolls & Grace Pacific		96707	A Grace Pacific truck, Lic. T 15820, applied oil onto a dirt/gravel road. The application occurred around		Observed oiled road. The road goes up a hill to a US Military fenced-in area. Sample taken of oil & soil outside of chain off area/road way.	Oil	Unknown
9/8/2000		Kapolei	Oahu					dirt/gravel/oil	
20000911-0820	Aliamanu Beach - tar ball sighting				Tar balls reported. 2 x 1.5 feet wide each.		Awaiting verification from the Kauai District Health Office. Notified USCG.	Unknown	
9/11/2000			Kauai						
<p>9/11/00 1300 hours: According to Rod Yama, tar balls could not be located. DHO will meet with the person who reported seeing the tar balls. 9/15/00: Tar ball was found on the beach, approximately 3/4 cubic yard; solid material. USCG refused to pay for disposal at 1351. DHO picked it up and brought it to Lihue. 9/20/00: Awaiting PENCO to take samples for analysis prior to disposal. PENCO(Stan Souza) is to contact DHO as to when PENCO can grab a sample.</p>									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	Island	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City		ZIP					
20000911-0830	Sheen - Port Allen, Kauai				20' by 50' sheen observed by the US Coast Guard.		Notification only. USCG has the lead.	Unknown	
9/11/2000			Kauai						
20000911-0924	Sheen Port Allen Kauai	Port Allen Boat Ramp		96716	Unknown sheen reported.		Sheen dissipating.	Unknown	
9/11/2000		Hanapep	Kauai						
20000911-1337	Calibration "Oil" (10w) spill KCMAS	KCMAS Kaneohe Bay		96734	During transfer ops. of 10w calibration oil from 55 gal drum into used oil tank, a transfer hose clip failed and hose parted from drum. Approx. 27 gals. of cal.-oil spilled, yet contained within concrete impoundment at the	Ruptured Hose	Absorbents used for clean up by Hazard Waste Unit personnel. Contract for proper disposal via	Calibration oil	27 gal
9/11/2000		Kaneohe	Oahu					Concrete	25
KCMAS Env. Response completed cleanups, repairs made to transfer hose clip. NFA									
20000911-1345	Sheen Ala Wai Harbor	Ala Wai Harbor		96814	Rainbow sheen, source not known, web report.	Unknown		Unknown	1 gal
9/11/2000		Honolulu	Oahu					Ocean	
20000911-1415	Aliomanu--Tarballs washing up on beach	Aliomanu Beach		96703	Tarballs were reported washing up on Aliomanu Beach.	Unknown	None	Tarballs	1 gal
9/11/2000		Anahola	Kauai					Beach	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000911-1420 9/11/2000	Sheen Hana	Hui Aloha Church Hana	Maui	96713	Dark brown, 30 ft x 10 ft.	Unknown	None	Unknown Ocean	
20000912-0016 9/12/2000	Pier 52 Paint spill	Matson Pier 52 Honolulu	Oahu	96808	Corner of a pallet of paint was ran over by a stradle carrier which crushed some paint containers.	Operator error	Penco Environmental Company conducted the clean up.	Epoxy Paint Asphalt dock	12 gal
20000912-0836 9/12/2000 No further action	American Trans Air - 50 gallon jet fuel spill		Oahu		L101 aircraft fuel vented form right wing after refueling; cause: refueling valves was slow in closing		Non-notification by the RP; notification to NRC made by American Trans Air calling for the RP;	Jet Fuel JP-8	50 gallons
20000912-1315 9/12/2000	Abandoned 31 x 5-gallon white buckets	off Renton Road	Oahu		100 yards before Ewa Villages Golf Course maintenance facility building.		Site visit.	Unknown	
Leland Nakai of Honolulu Civil Defense was also notified by a person named Tim (685-5219) who in turn notified Bill Perry.									
20000912-1330 9/12/2000	Abandoned 2 x 55 gallon	off Renton Road	Oahu		Abandoned 2 x red 55-gallon drums labeled with "C/C rinsate from UST pipes, DHCD			Unknown	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000912-1345 9/12/2000	13 x 5-gallon buckets at Renton/Paalua Street	Renton/Paalua Street, between telephone poles 4 & 5	Oahu		Abandoned 13 x 5-gallon metal containers with crimp-on		Site visit conducted	Unknown	
2 gray color with flammable placards; 2 black color and 9 blue with "Devoe Marine, MD-4480 Component B, Mare Island Epoxy Coating"; "Experimental 66 Formula", "Ship to: Supply Officer, Navy Shipyard, Bldg. 167, Pearl Harbor, HI" "Contract #N00604-79-C-A104"; "Devoe and Raynoldsn Co., Inc, 2625 Durahart St., Riverside, CA 92507." 9/14/00 1600 hours: SOSOC contacted Navy; spoke with Lenore Mau (474-9082) who will investigate and call tomorrow. 9/15/00: According to Lenora Mau, they picked up the containers.									
20000912-1600 9/12/2000	Naval Station	1942 Gaffney St	Oahu	96818	Oil leak from abandoned pipeline. Spill contained and cleanup in progress. Due to corrosion an abandoned diesel pipeline is leaking into Pearl Harbor @ Bravo Pier. Caller had no information on the sheen size or the amount of material leaked from pipe	Pipeline leak	Material contained, cleanup crew on-site. Written 10/18/00 Navsta Osot is cleanup.	Diesel/Water mix	Unknown
		Pearl Harbor						Water	
20000912-1624 9/9/2000	Kona Kai	Kona Kai Marina	Hawaii	96740	Caller states he believes a large amount of diesel fuel was spill in the area because of the strong smell of diesel.	Unknown	None. Caller refused to give sheen description or any weather conditions. Call was very brief.	Unknown	
		Kona						Ocean	
20000913-0830 9/13/2000	Rego's Trucking	4247 Kapaia Rd	Kauai	96766	Allegations of spilling, contamination, excessive noise and dust, etc.		Conducted a multi-media investigation consisting of U.S. Coast Guard, Clean Air, Clean Water, Solid Waste, Hazardous Waste, Noise, Wastewater, and HEER Office.	Unknown	
Facility does not have any permits. Site appears to be in violation of solid waste - there appear to be solid waste recycling and storage issues. A 1 x 1800 diesel above-ground tank does not have proper containment to capture oil should tank's integrity fail, although measures have been taken the past 5 months to build a cement sump to contain spills.									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000913-1023 9/13/2000	Pier K-2 sheen Pearl Harbor	Pearl Harbor Naval Station		96860	Caller reporting an unknown sheen sighting. Diesel fuel marine (DFM).	Unknown	Cleanup underway. Two skimmers, boom and sorbents have been deployed.	Unknown Ocean	4 gal
20000913-1644 9/13/2000	Abandoned Drum off Coconut Island	Lihikai St		96720	Abandoned drum that Hilo HazMat was responding to.		Spoke with Clifford Furukado.	Unknown	
Hawaii Fire HazMat determined that the drum was stable and not leaking so they put it in an overpack and turned the incident over over to the State. Although they thought that the drum was empty, they did not want to open it up. SOSC requested Clifford to take it to DHO's baseyard until further assessment.									
20000914-0905 9/14/2000	Abandoned pipeline	373 N Nimitz Hwy			While HECO was conducting maintenance on their pipeline, they came across an abandoned 16 " pipeline.		Site visit was conducted upon Laura Young's notification to SOSC.	Unknown	
20000916-1218 9/16/2000	Baydrive Market Dumpster Odor	44-740 Kaneohe Bay Dr		96744	Afterhours SOSC received notification regarding a persistant foul odor originating from a roll-off dumpster owned by Baydrive Market, Kaneohe.	Rotting Fish pieces	SOSC requested Baydrive Market manager arrange for immediate refuse company pickup of the dumpster.	hydrogen sulfide/decayin g fish pieces Air	unk
Decaying fish located within a roll-off									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000916-1330	Endosulfan release Delmonte Fresh Produce	1770 Kunia Rd		96759	Hose connection failed on a spray truck. Written 9/29/00 Spilled on bare ground in fields 101, 140 in Kunia, equipment failure.	Equipment failure	Secured the area. Will excavate the contaminated soil. Taking soil samples. Field is not within three miles of the nearest residential area. Will post guards for the night to keep people out. Note: Calvin Oda tried to call state Hospital on 9/15/00.	Endosulfan	8.2 lbs
9/16/2000		Kunia	Oahu					Soil/land	
Written 9/29/00 followed instructions on MSDS form for soil excavation. 34 samples were taken to evaluate clean-up. Other samples taken from drummed material to characterize waste before treatment. Clean-up report will be submitted after data evaluated.									
20000918-0900	Pier 35 Chevron Abandoned Pipeline	Pier 35 Honolulu Harbor			Coast Guard reports leak in oil pipeline at pier 35	pipeline capped and abandoned then recently damaged	USCG response/ Chevron cleanup	Unknown	unknown
9/18/2000		Honolulu	Oahu						
MSO reported to HEER that a pipeline at Pier 35 was leaking, resulting in staining of the surrounding soil. Later report stated that the cause was an old and abandoned pipeline which was full of oil and capped off. The pipe had been damaged by striking it during construction. Chevron is in the process of removing the pipeline and the contaminated soil.									
20000918-1406	Hualalai Farm Lot				While clearing property oil/sludge began oozing up from underground after heavy rain. TMK: 7-5-13-16. Incident called in to DHO-Hawaii Kona CAB Steve Okoji, 322-1507 by Denise of Soil Conservation.	Unknown		Oil/Sludge	Unknown
9/18/2000		Kona	Hawaii					Soil	
20000918-1615	Malathion Release	1350 Ala Moana Blvd		96814	HAZMAT responded to a chemical odor complaint at 1350 Ala Moana Blvd. Responders located the source; a "Malathion" container disposed of in buildings refuse ruptured and saturated discarded carpeting.	Malathion container	HAZMAT notified SOSC after response and cleanup operations completed.	Malathion	1
9/18/2000		Honolulu	Oahu					Air	100
HAZMAT responded to odor complaint, located source (ruptured Malathion conainer) in dumpster at 1350 Ala Moana Blvd. Conducted LVL "B" entry, recovered saturated materials, Owners contracted for proper disposal. HAZMAT notified SOSC after Equipment DECON at KAM IV station. (Capt. Carter Davis)									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	County	Incident Description	Cause of Initial Response	Substances	Quantity	Media	RQ
RIs Date	Location	City	Island	ZIP		Release			
20000919-1112	Malathion odor affecting Makakilo Elementary School	92-551 Ualehei St		96707	Received a report from the DOH Clean Air Branch that kids from Makakilo Elementary School were being evacuated due to a strong smell.		Contacted the Vice-Principal of Makakilo Elementary School (at 672-1122 ext. 5) to activate the 911 system and request for the Fire Department HazMat.	Malathion	
9/19/2000		Kapolei	Oahu					Air	
<p>9/19/00 1210 hours: SOSC with Ron Ho (Clean Air Branch) arrived on site. Met with the Fire Department and Vice-Principal, Len Miyamoto. Suspected source is 50% premium grade Malathion (1 quart, Lilly Miller manufacturer) located at a residence approximately 30 yards. Suspected applicator was not home at the time. PRP: Jose Elento, 92-551 Ualehei Street, Kapolei, HI 96707, telephone number: 672-8633. Requested Dept. of Agriculture, Pesticides Branch to conduct an investigation; Mr. Steven Ogata arrived on site. Contracted with PENCO to dispose of container. PRP returned home and was informed that a Letter of interest will be sent with cost recovery to follow. Left the site at approximately 2:00 p.m. 11/6/00: Cost Recovery to RP - info to be given to Tricia (total cost - \$854.16).</p>									
20000920-0043	Inactive Ships Lubricating Oil Spill	Middle Lock Inactive Ships		96797	Two storage tanks were overfilled when a waterline broke and the water ran into the tanks. Tanks are on a barge that is used for pumping out bilges of work boats. Storage tanks are 7,000 gals and 8,000 gals.	Broken waterline	Deployed 1,000 ft of boom to contain oil. Absorbent pads placed in water.	Lubricating Oil	Unknown
9/20/2000		Waipahu	Oahu					Ocean	
20000920-0843	Alleged cyanide drum in front of a jewelry shop	1942 S Beretania			Complainant alleges that there is a 20 gallon orange-colored container labeled "Cyanide - Posion". Complainant also notified the police and the fire department.			Unknown	
9/20/2000			Oahu						
20000920-0854	DRILL Tri Isle Inc.	DRILL			Overtured tanker 50 gal, contact fire, not there yet, PENCO on scene. 9:12 am 300 gal, diked off area to storm drain, fire responed, waiting for Hazmat. 9:15 2-3,000 gal, gone into storm drain. Told to call Coast Guard, Clean Water. Cont.		DRILL	Unknown	
9/20/2000		Waikupu	Maui						

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000920-0905	Dust complaint at 2987 Kalakaua	2987 Kalakaua			Dust particles being dumped in a dumpster during a construction activity at the apartment.		Contacted property manager of the apartment. Referred case to Clean Air Branch after further information was obtained.	Unknown	
9/20/2000			Oahu						
Visible dust was observed by caller at approximately 2:45 p.m. yesterday. SOSC spoke with Stacey Tokirin (836-0911) and Ralph Heller (pager 926-8843). Mr. Heller said construction is expected to last another two to three months. Mr. Heller would like an inspection done to document and determine if a violation is being done. Case is referred to Clean Air Branch (Lisa Young)									
20000920-1003	Kauai Electric Turbine oil spill	4392 Waialo Rd		96705	225 gallon spill; lubrication tank turned on accidentally. Written faxed 9/20/00: Lubrication oil piping flange connection was disconnected and open. 275 gals released, 225 into containment berm. 55 gals on concrete apron.		Notification only; incident occurred the day before notification.	Turbine Fuel	
9/20/2000		Eleele	Kauai					Concrete	
Written cont: Spill cleaned up with material from on site spill kit.									
20000920-1054	C & C Halawa Corp Yard contaminated soil (written)	Iwaena St		96701	Petroleum stained soil encountered when installing a storm drain line. Soil was in north side of excavation wall. Appx 10 ft wide, 5 ft high. Top of soil staining was five feet below ground surface. No free product observed, no groundwater present.		Written faxed on 9/20: stained soil segregated from clean soil, stockpiled separately on-site, covered with plastic. Stained soil will be put back in excavation as backfill once drain line is installed. Upper two feet of excavation will be filled	Diesel	
9/20/2000		Aiea	Oahu					Soil	
with clean soil. Soil not used as fill material will be treated/disposed of according to state requirements Disposal option is PVT Soil Remediation Facility. Sampling would be required to meet PVT's permit requirements. OSHA guidelines for LEL, PID limits will be followed.									
20000920-1408	Pier 2 leak from stern of cargo vessel	Pier 2 Honolulu Harbor		96813	Due to unknown cause the material leaked from the stern of a cargo vessel into Honolulu Harbor.	Unknown	Booms applied, absorbents applied.	Unknown oil	
9/20/2000		Honolulu	Oahu					Ocean	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000920-2145 9/20/2000	Diesel sheen in Ala Wai Harbor	1741 Ala Moana Blvd	Honolulu	Oahu 96815	A diesel sheen is in Ala Wai Harbor. Odor of diesel is not leaving the area because there is no wind.	Unknown	None	Unknown Ocean	
20000921-1730 9/21/2000	Ulupaina Street Clan Lab	350C Ulupaina St	Kailua	Oahu 96734	HPD Narcotics, Officer L. Landow, requested SOSC assistance in identifying unknowns and disposal of several small chemical containers originating from a Clandestine laboratory operation.	Illegal Disposal	SOSC dispatched contractors, recovered spent materials, staged for proper disposal	Unknowns Air	2 NO
HPD requested DOH/SOSC assistance in identifying and disposing of residual chemicals (some unknowns) generated at a Clandestine conversion lab. Penco responders recovered the materials from HPD, identified, packaged, pending proper disposal.									
20000921-1802 9/21/2000	Waste Oil Kewalo Basin	Kewalo Basin	Honolulu	Oahu 96814	Waste oil sheen was discovered while on patrol by MSO personnel.	Unknown	Material dissipated.	Unknown Ocean	1 gal
20000921-1845 9/21/2000	South Kihei Road gas in unnamed stream	South Kihei Road	Kihei	Maui 96753	Caller is reporting a three car accident with a fuel tank from one vehicle releasing material.	Automobile accident.	Dissipate naturally	Unleaded gasoline Stream	1 gal
20000921-1848 9/21/2000	Unknown Sheen Lahaina Harbor	Lahaina Harbor	Lahaina	Maui 96761	Unknown sheen	Unknown	Sorbents used.	Unknown Ocean	Unknown

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000922-0308 9/22/2000	Drainage ditch Airport	North Ramp Stand No.4		96819	Found hydraulic oil on a vacant ramp with no aircraft in	Unknown	State personnel cleaned spill with absorb-all. Spill secured.	Hydraulic Oil Drainage ditch	1 quart
20000922-0922 9/22/2000	DRILL DRILL Phillip Services	Pier 5 Honolulu Harbor	Oahu	96813	DRILL 300 gal spill on dock, contained with sand bags. Kitty litter and shovals, deployed booms. From "Hui Mana", #2 Diesel, Barber's Point Harbor, calling for RP, Tesoro. Drum fell from forklift, broke unloading valve off from truck. Rest of fuel cont	Broken valve	DRILL contained in truck. Response team deployed to scene, equipment and vacuum truck. Operator used sand bags and visquene to prevent oil from entering harbor. Encircled free oil with 8" sausage booms and visquene. Removal with vacuum truck and men.	2 Marine Diesel Fuel Ocean	300 gal
Free oil disposed at Philip's oil treatment facility. Oil from booms and kitty litter squeezed out for processing. Solids land filled after oil removed.									
20000922-1548 9/22/2000	Hawaiian Electric low PH Wastewater spill	Waiiau Plant--475 Kamehameha Hwy.		96782	21,000 gal release of low PH wastewater, (1.93 ph). None went into Pearl Harbor, contained in plant. Leaked from batch tank into concrete lined pipe trench, faulty pipe attached to tank. Written 10/4/00 Driveway and concrete-lined trench.	Equipment failure	Pumped water into wastewater system in another tank. Stopped leak, draining the original tank. Written 10/4/00 Wastewater recovered (pumped) to treatment facility. Batch Tank "A" transferred to standby wastewater tank. Repair to leaking pipe, cont.	Low PH wastewater. Concrete	21,000 gal
nipple started. 1535 hrs. released stopped. Sample taken from tank "A", TCLP analysis done. Results negative for RCRA, test enclosed. Cleanup: washing impacted area of driveway into pipe trench, washwater pumped to wastewater treatment for processing . Washup was completed at 1750 on 9/22/00. End of wash cleanup water was pH 6.70.									
20000924-1003 9/24/2000	Unknown sheen Ala Wai Harbor	Ala Wai Harbor		96815	Spotted unknown sheen in Ala Wai Harbor.	Unknown	None	Unknown Ocean	Unknown

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City Island	ZIP					
20000924-1349	White water in canal	Hulakai Place, Kaneohe Bay Drive	96744	White water in canal at Hulakai Place, Kaneohe Bay Drive.	Unknown	None	Unknown	
9/24/2000		Kaneohe Oahu					Canal	
20000925-0753	Kawaihae Harbor--Young Brothers spill		96743	Material spilled from a fuel tank on the tug due to an old crack on the fuel tank. New patch put on, drain tank. Caller stated fuel tank on tug leaks only while underway, repairing leak with emergency patch.	Equipment failure	Tug, Moanaholo, boomed off and sorbents used. PENCO will dispose.	Diesel	pint-quart
9/25/2000		Kawaihae Hawaii					Ocean	
20000925-1352	Oil in valve box at Kahului Harbor	Kahului Harbor	96732	Found oil in concrete valve box, this is an abandon line, about 50-100 gals. Contained, contractors will be hired. Written report received on 11/21/00 with lab report from	Unknown	Contractor will be hired. 11/21/00 Philips Services hired.	Unknown	50-100 gal
9/25/2000		Kahului Maui					Concrete	
Carter Luke called 10/24/00 to update cleanup operation: Cleanup completed 10/20/00; waiting for test results of bunker oil taken from valve tank. Will pour cement at base of tank prior to pressure washing walls of tank. Also informed C.Martin of operation plan. Update input: 10/25/00 - SD.								
20000926-0922	Fire training Area, Kona Airport Burn Residues		96745	Repeated burning for fire training in unlined pit produced soil contamination. Phase 2 closure report produced by E Noda	petroleum burning	Written report from consultant reviewed. Remediation alternatives were delineated, with off site disposal at landfill recommended.	Unknown	unk
9/26/2000		Kailua-Kona Hawaii					Soil	1
Burn pit characterized by DOT contractor E. Noda. Metals contamination makes off site remediation likely. Site handed off to Remediation Section for ranking and oversight. DOT Airports Div, 400 Rodgers Blvd #700, Honolulu HI 96813.								

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20000927-1125 9/27/2000	USS Lake Erie CG70 spill	Pier B-17	Oahu	96671	While taking on fuel, the level indicator failed causing fuel to over flow through the overboard discharge.	Equipment failure	Booms applied, absorbents applied, Navy vac truck used. Navy Oil Spill Response Commander on scene.	Unknown Ocean	100 gal
20000927-1625 9/27/2000	Aliamanu Intermediate School	3271 Salt Lake	Oahu	96818	Removed drums from school site.			Unknown	
20000928-0809 9/28/2000	Hawaii Department of Transportation - Harbors Division	Sand Island Maintenance Baseyard	Oahu		Unknown cylinders from DOT Honolulu Harbors piers are continually being brought to the baseyard. In addition, there are other cylinders still in		Requested DOT to obtain as much information (labels, etc) from the cylinders, attempt to locate responsible parties, and conduct removal actions appropriately.	Unknown	
20000929-1400 9/29/2000	Waipahu Sugar Mill Area/C&C Honolulu, Lead Contamination	Managers Dr	Oahu		Brewer Env. Report suggests Lead in Soil contamination on old Waipahu Sugar Mill properties now owned in part by C&C of Honolulu. Restrictions for Public Access are presently breached to	Suspect- Lead paint from burned plantation	HEER SOSC and RPM conducted GIS and familirization of C&C properties. Due to Lead in Soil levels public access should be restricted. 10/6/00-On-site meeting between C&C of Honolulu and HEER SOSC. C&C to construct Public Access restrictions.	Lead Soil	19,000
SOSC issued Letter of Interest, C&C of Honolulu to provide restrictive access to site. Case forwarded to PASI-Remedial Project Management.									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	Island	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City		ZIP					
20000929-1443	Sulfur release Tesoro	Campbell Industrial Park		96707	From 10:30-11:15, Sulfur Dioxide release to the air. Shut down of sulfur recovery unit, doing maintance. Written 10/13/00: Visible emissions exceedence on Tail Gas Incinerator H-1391. SCOT unit caused shutdown of incineraor because of high temperature.		cont. White plume exited stack for 45 mins. Emmission exceeded 60 % for 22 mins. This stopped when SCOT unit was started up. Incident was not reportable release of sulfur dioxide for HEPCRA. No odor complaints were received.	Unknown	
9/29/2000		Kapolei	Oahu					Air	
20000929-2107	Sheen - odor Ala Wai	F Dock		96815	Caller reporting an unknown sheen with a strong odor in the area. Caller has reported this many times before and nothing is ever done. Caller supplied no more information.	Unknown		Unknown	
9/29/2000		Honolulu	Oahu					Canal	
20001002-1048	Hawaiian Electric - Puna Power Plant			96749	< 10,000 gallons of diesel released inside a concrete-lined berm, < 5 gallons overflowed berm wall. Recovered and pumped		Notification only. Letter of interest to be sent requesting berm's design, construction, and maintenance.	Diesel Fuel	10,000 gallons
10/2/2000		Keaau	Hawaii					Concrete	
<p>Occurred on 9/30; discovered at approximately 6:37 p.m. while filling up the tanks (software reading an average of two tanks instead of one tank). Cleanup completed by 9 p.m. According to caller, software has been corrected. LEPC was notified by RP. Letter of interest sent to: Mr. Don Heinzen, c/o Hawaiian Electric Light Company, P. O. Box 1027, Hilo, Hawaii 96720. Written 10/31/00: 8,000 gal released in containment berm, 5 gals outside on paved surface. Software problem corrected to eliminate recurrence. Vac truck used to return fuel to bulk storage tank. Diesel outside berm collected using absorbent pillows. Cleanup completed 9/30/00. Drawing of berm included in written.</p>									
20001002-1048	Hawaiian Electric - Puna Power Plant	Puna Mill Road		96749	< 10,000 gallons of diesel released inside a concrete-lined berm, < 5 gallons overflowed berm wall. Recovered and pumped		Notification only. Letter of interest to be sent requesting berm's design, construction, and maintenance.	Diesel Fuel	10,000 gallons
10/2/2000		Keaau	Hawaii					Concrete	
<p>Occurred on 9/30; discovered at approximately 6:37 p.m. while filling up the tanks (software reading an average of two tanks instead of one tank). Cleanup completed by 9 p.m. According to caller, software has been corrected. LEPC was notified by RP. Letter of interest sent to: Mr. Don Heinzen, c/o Hawaiian Electric Light Company, P. O. Box 1027, Hilo, Hawaii 96720. Written 10/31/00: 8,000 gal released in containment berm, 5 gals outside on paved surface. Software problem corrected to eliminate recurrence. Vac truck used to return fuel to bulk storage tank. Diesel outside berm collected using absorbent pillows. Cleanup completed 9/30/00. Drawing of berm included in written.</p>									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001003-0901	Keehi Lagoon Sheen	Keehi Marina			Mystery sheen covering marina. Sighting reported by Mrs. Sanders, (808) 843-0812. NOTE: Original case no. 20001003-0901.	Unknown		Unknown	5 gal.
10/3/2000		Honolulu	Oahu					Water	
10/16/00: No further action.									
20001003-1110	Pier 19 & 20 Pearl Harbor	517 Russel Ave		96860	Unknown sheen incident. Clean up in progress using absorbents and booms.	Unknown		Unknown	200 gal
10/3/2000		Honolulu	Oahu					Water	
20001003-1220	Sighting of sheen	Pier 9		96813	Unknown sheen.	Unknown		Unknown	
10/3/2000		Honolulu	Oahu					Ocean	
20001004-0630	Sheen Pier 33	Honolulu Harbor		96807	After tying a barge, there was a sheen noticed in the water. There was oil coming out of the side of the barge.	Unknown	Deployed oil sweeps, booms are in place.	380 Fuel Oil	.5 gal
10/4/2000		Honolulu	Oahu					Ocean	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001004-0907	ARCO site assessment spill	94-264 Farrington Hwy		96797	During assessment gasoline and used oil impacts were found. Soil, caprock groundwater, near dispenser islands and former used oil UST were the areas impacted. Lab analyses of soil & groundwater samples were conducted in March 1998, Oct. 1999 and Feb 2000		Gasoline related impacts in few of soil samples exceed Doh Soil Action Levels. All caprock groundwater sample are less than DOH Groundwater Action Levels. Soil that is gasoline impacted in excess of DOH SAL are adjacent to dispenser islands. Cont.	Unknown	
10/4/2000		Waipahu	Oahu						
Samples will be collected from monitoring wells to have baseline samples for total lead. No other remedial actions are planned now. Impacted soil and caprock groundwater will attenuate naturally. Exposure Prevention and Monitoring Plan being prepared.									
20001004-1002	Ferro-Union Hawaii	91-104 Kalaeloa Blvd		96707	50 gallon diesel spill from a tractor truck as a result of a forklift dropping a load of steel I-Beams onto a truck, puncturing the fuel tank of the		Notification only	Diesel Fuel #2	50 gallons
10/4/2000		Kapolei	Oahu						
Follow up notification received on 10/10/00.									
20001004-1627	Guarantee Auto Repair	649 Mapunapuna		96819	Mechanic shop emitting strange hazardous odor that is effecting air quality in the area. Incident discovered 7:50 a.m., 10/4/00. Suspected Responsible Party: Guaranteed Auto Mechanic, 649 C, Mapunapuna St. Owner: Gary	Operator error		Unknown	Unknown
10/4/2000		Honolulu	Oahu					Air	
10/4/00: Received a call from U.S. Coast Guard (927-0830) via the State Hospital at 1830 hours about a NRC report of a toxic odor from 649 Mapunapuna. Complainant also activated 911 system. SOSC contacted Honolulu Fire Department HazMat Unit 1 who was enroute to the scene; SOSC inquired if State assistance was needed but HFD said that they will call me back. In a telephone conversation with Capt. Carter Davis, he determined that the caller, a worker at Mobile Fleet Images, located at 649A Mapunapuna St., had been filing complaints against Guarantee Auto Repair located at 649 Mapunapuna St. but the caller was unsatisfied with the "government's response (Clean Air Branch)". HFD determined that there was no flammable atmosphere but that Mr. Gary Balanza, was working on emptying a gas tank which could most likely produce the odor that the complainant described. According to Capt. Davis, Mr. Balanza is dumping waste down the storm drain. SOSC referred case to City and County of Honolulu Storm Water Quality (Greg Yee) for dumping waste down the storm drain; C/C informed SOSC that a visit had already been done on 10/11/00, a warning given, and that Mr. Balanza said that he will									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	Island	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City		ZIP					
20001005-0841	DRILL Tosco 76 Barge spill DRILL	Pier 34 Honolulu Harbor		96817	DRILL Loading barge with Fuel Oil, High Sulfur Diesel, other vessel passed by broke boom, cutting into cargo hoses fueling barge. In water 122 barrels Diesel, 166 barrels Fuel oil. Source is controlled, barge is secured. Barge is "Puna Pau",	Vessel cutting fueling lines.	DRILL 1:48 pm update: Boomed west & east side of Honolulu Harbor. CIC, PENCO, Phillip Services involved in cleanup. Recovered 66 barrels of Fuel Oil, 49 Barrels of Diesel.	Fuel oil, High Sulfur Diesel	122 Oil, 166 Diesel
10/5/2000		Honolulu	Oahu					Ocean	
20001005-0844	Transmission fluid Upper Keehi (Kihei) Rd.	Upper Keehi Road		96753	Line broke, lost all transmission fluid.	Equipment failure	Cleaned up spill.	Transmission Fluid	50 gal
10/5/2000			Maui					Soil	
20001005-0930	Beached 5gals. Container	Baby Beach			Larry Pacheco, Maui DLNR, recovered a 5 gals. container of an unknown liquid from Maui Hazmat after discovery on Baby Beach, Sprecklesville, Maui.	Fugitive		Unknown	5
10/5/2000		Sprecklesville	Maui					Ocean	
Maui Hazmat dropped off a 5 gals. container of an unknown material discovered at Baby's Beach to Maui DLNR. DLNR requested HEER assist in I.D. and disposal. PENCO contracted for chem. Identification and proper disposal.									
20001009-1445	MV Bonnie Lynn Diesel Release	Sunset Beach		96712	Vessel impacted beach. Wave action holed hull and caused release from fuel tanks	vessel grounding	mobilize contractor for fuel transfer on site	Diesel Fuel	35 gal
10/9/2000		Haliewa	Oahu					Ocean	
Mr Bill McCaffery, a crab fisherman from Haliewa, was setting his traps six miles offshore at the FAD bouy. His vessel, the 25' diesel fueled 'Bonnie Lynn', was in gear under autopilot as Mr McCaffery layed out his traps from the stern. His leg became entangled in the trap line and he was pulled overboard at approximately 0830. He swam to the bouy where he rested and untied some of the crab trap floats. The Bonnie Lynn continued on autopilot towards shore. The vessel went through a gap in the reef and grounded on Sunset Beach. Efforts to remove her failed, and the surf at a height of two feet, holed the hull and released diesel fuel from the two 25 gallon tanks. DLNR enforcement and HEER responded with PENCO contractor support. C&C Hono brought a small bulldozer. CoastGuard launched a SAR for the missing boater who swam to shore using the floats and the onshore wind at approximately 1600. The boat was too lively in the surf for PENCO to pump off the fuel, and the owner (mr McCaffery) elected to salvage the boat from shore rather than pull it off the next day. The fuel leaked out as the boat battered, and spread down the coast with the wind. The owner estimated a release of 35 gallons of diesel. At dark the vessel was made fast to a tree. The next day the owner cut it up with chain saws and hauled it away. One empty fuel tank was salvaged, the other was missing.									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001009-1751 10/9/2000	Oily discharged water "Norwegian Wind"	Pier 1		96813	Discharged oily water from VSL Norwegian Wind.	Operator error	Stopped pumping and deployed absorbants pads.	Bilge Slops	
		Honolulu	Oahu						
20001010-1004 10/10/2000	Circle Rainbow fuel spill	Kona International Airport			Caller first called about a fuel spill in excess of 50 gallons. Cause: valve malfunction. Used sorbent pads. No storm drains nearby. In a telephone conversation with PRP, PRP stated that spill was less than 8 gallons.		Requested State DOT to inform Circle Rainbow to contact HEER Office	Jet A fuel	8 gallons
		Kona	Hawaii						
	Spoke with Nolan Correa of Circle Rainbow Aviation (tel. No. 989-5949). Address: P.O. Box 1838, Kailua-Kona, HI 96745. Notification is a Courtesy phone call; spill reported is less than the reportable quantity.								
20001010-1557 10/10/2000	Institute of Human Services alleged dumping	Summer Street			Allegation of dumping of paints (light blue in color) and washing of paint brushes down into a storm drain by Institute of Human Services.		Referral to City and County of Honolulu Environmental Services	Unknown	
			Oahu						
	Referral to City and County. 10/26/00 0745 hours: Spoke with Greg Yee of City and County of Honolulu's Environmental Services who said that a site visit was conducted by him. Staff of Institute of Human Services (HIS) admitted that they were rinsing the paint brushes and disposing of the water down the storm drain. A warning letter will be sent to HIS by the City and County.								
20001011-1302 10/11/2000	Chemical sprayer release	Ross Court		96818	Material released out of the chemical sprayer due to a corroded fitting.	Equipment failure	Absorbents applied . Caller is unsure if the RQ for this chemical is reportable. Chemicals in the MSMA contains Methane Arsenic Acid and Mono Sodium Acid.	Methane Arsenic Acid, Mono Sodium Acid	1 ounce
		Honolulu	Oahu					Asphal	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001011-1700 10/11/2000	Aliamanu Elementary School				Allegation of poor housekeeping practices of Primtech Construction during lead paint removal and re-painting (cafeteria building of Aliamanu School)		Referral to Dept. of Health - Noise and Radiation, Indoor Air (Shawn Haruno)	Unknown	
			Oahu						
No further action by HEER - Referral to Noise and Radiation, Indoor Air.									
20001013-1745 10/13/2000	Oahu Tree Service Truck Diesel Leak				Oahu Tree Service truck under military contract at Pohakuloa Army training facility leaked approx. 25 gals.+ diesel fuel from a ruptured tank fitting into soil.	leaking diesel tank fitting	Mr. John Ross, Pohakuloa Env. Rep, notified SOSC of a 25 gals.+ deisel fuel release from a truck fuel tank fitting. Truck owned by Oahu Tree Service under govt. contract. Mr. Ross reported on behalf of Oahu Tree Service.	Diesel Fuel	25
			Hawaii					Soil	25
SOSC notified of release, site cleanups completed via Pohakuloa Env., 30 day followup report pending. Written 11/14/00 Crack fitting on bottom of fuel tank. Asphalt cleaned with dry sweep. Soil excavated, drummed, and holes left open pending results of sample analysis.									
20001014-0915 10/14/2000	Kahuku Wastewater Treatment Plant Effluent Line Break	56-701 Kamehameha Hwy		96731	Kahuku WWTP treated sewage effluent discharge line ruptured. Treated sewage effluent disharged into surrounding soil. Approx. 2000 gals suspected to have escaped prior to surfacing. WWTP crews effected repairs. Cause appears to be pipeline	Pipeline Corrosion	WWTP , Mr. Scott Shultz notified SOSC of Effluent pipeline break. Discharge stopped until repairs made. Public Service was not interrupted. Release site cleaned and disinfected.	Treated Sewage	2000
		Kahuku	Oahu					Soil	
WWTP , Mr. Scott Shultz notified SOSC of Effluent pipeline break. Discharge stopped until repairs made. Public Service was not interrupted. Release site cleaned and disinfected.									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street		County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City	Island	ZIP					
20001014-1427	Ala Wai Canal, White Substance (creating cloudy water)	Waikiki		96815	Caller "Katie" notified SOSOC of a white substance discharged from a stormdrain outfall (located behind apartment complex adjacent to the Convention Center) creating a white cloud within the Ala Wai canal.	Stormdrain discharge of an unknown white substance	SOSOC responded to location described by caller and surrounding area. Cloudy water had dissipated with on-scene weather and tidal conditions. White substance could not be identified.	Unknown	unk
10/14/2000		Waikiki	Oahu					Ocean	
SOSOC responded to location described by caller and surrounding area. Cloudy water had dissipated with on-scene weather and tidal conditions. White substance could not be									
20001015-1257	Pualoa Rifle Range Pearl Harbor Sweage Spill	Ewa Beach--West Loch		96706	Sewage spill 10,000 gals. Caused by broken pipe. Saturated soil, no surface water contaminated, never reached any storm drain.	Broken pipe	Public Works cleaned via vac trucks, disinfected to best extent possible. Navigable waters unaffected. Hospital tried to notify WWB chief, gone to mainland.	Sewage	10,000 gal
10/15/2000		Ewa Beach	Oahu					Soil	
20001015-1830	Wastewater Force Main break, Wailua	Lihue-Makai side of the Wailua river bridge		96746	SOSOC received notification via hospitals dispatch of a sewage release (approx. 20,000 gals.) adjacent to the Wailua River bridge, Wailua, Kauai	Sun Industries punctured pipeline while excavating during highway guardrail replacement operations		unprocessed "raw" sewage	
10/15/2000		Wailua	Maui						

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001016-1200 10/16/2000	Odor complaint - Allegations of basement filled with mothballs	2020 Citron St			Caller alleges that her neighbor has a basement filled with mothballs.		Site visit conducted.	Unknown	
		Honolulu	Oahu						
	10/16/00: Caller alleges that elderly couple next door has a basement filled with mothballs. She claims that police have been called twice due to the smell. Caller was informed that she can provide the telephone number for household hazardous waste (523-4774) to the homeowner. 10/17/00 1600 hours: Caller called re: disposal of "Poisonous" household waste. SOSC returned her call at 1624 and informed her again that as a homeowner, the mothballs can be disposed of in the trash. SOSC was provided with another complainant's name. 10/18/00 0800 hours: SOSC called Mrs. Tomoko Kawamoto at 946-6896; she said that she only had two small boxes of mothballs and that she had already thrown it in the trash which had already been picked up. SOSC conducted a site visit at approximately 1420 hours. It seems that the owner has been applying mothballs around her house to kill bugs, termites, cockroaches, in violation of the labels. Owner has been told to stop her current practice. Caller was told of the findings and requested caller to contact Dept. of Pesticides, Agriculture Branch, (973-9401) should the smell of mothballs persist. (Report edited to conform with Chapt 323c HRS Privacy of Health Care Info.)								
20001016-1347 10/16/2000	Barge "Nuuuanu" spill	Pier 33 Honolulu Harbor		96817	Written 10/16/00: Employees aboard "Namahoe" noticed rotten egg smell after mooring the barge "Nuuuanu". They noticed light sheen between barge and vessel. Started source control, containment and notification actions. Cont.	Pinhole leak from barge	Found pinhole leak in forward port hand-foothold station, ninth step from the deck of barge. Product was contained and recovered through the application of harbor boom, sweeps and absorbents by company.	No. 6 residual fuel oil	1 pint
		Honolulu	Oahu					Ocean	
20001017-0710 10/17/2000	Benjamin Parker School Library fire	45-259 Waikalua		96744	Library burnt last night, smell is really bad. She wants to know if someone can come and check if smell is hazardous.	Fire	HFD investigator to inspect! Referred to Clean Air Branch inspectors. Site visit (is the air toxic)?	Unknown	
		Kaneohe	Oahu					Air	
20001017-1432 10/17/2000	Alleged illegal oil dumping at 316A Kalama Street	316A Kalama St			Anomymous caller complained about an alleged oil dumper. For the past 15 years, dumper conducts oil changes for people and dumps oil in lane next to his house.		Referred to Hazardous Waste Branch.	Unknown	
		Kailua	Oahu						

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001017-1438 10/17/2000	Garage Vehicle Service Area Oil Release	91-908 Oaniani St (entrance at rear)	Kapolei	Oahu	Garage has oil trail down to and into storm drain.	Business PRACTICES		Unknown	UNK yes
Bill Barry of USAF Environmental observed oil trail leading from business to storm drain									
20001017-1517 10/17/2000	Leahi Hospital	3675 Kilauea Ave		96816	Pipeline leak discovered between HAGS & Hale Mohalu building on 10/6/00 between 3:30 - 4 pm. Saturated area to be approx. 2' x 10' of unknown liquid. Globetech Group, Inc. contracted to do remediation. Substance said to be either bunker or crude oil.	Unknown		Unknown	Unknown
		Honolulu	Oahu					Soil	
Mr. Fernandez wasn't sure if he needed to make and incident report. He called to ask about soil remediation.									
20001017-1530 10/17/2000	Pauley Petroleum(For mer)/DOT	Pier 32/33 Honolulu Harbor						Unknown	
		Honolulu	Oahu						
Letter of Interest issued on 10/18/00.									
20001018-0839 10/18/2000	Kapaa High School mercury spill		Kapaa	Kauai	Blood pressure kit dropped and spilled the mercury. Incident occurred about a week and a half ago.		School had a mercury spill kit available and used it.	Mercury	
Spoke with Clyde Takekuma; school used a mercury spill kit. No further action at this time.									
20001018-1031 10/18/2000	Household Hazardous Waste - insecticides				Resident found six containers of gallon-sized termiticides.		Requested caller to contact City and County of Honolulu's Household Hazardous Waste program at 523-4774.	Unknown	
		Honolulu	Oahu						
No further action at this time.									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	County	Island	Incident Description	Cause of Initial Response	Substances	Quantity	Media	RQ
RIs Date	Location	City		ZIP		Release				
20001018-1831	Keehi Lagoon slip # 322 spill	Keehi Boat Harbor		96819	A leak in the starboard side fuel tank into main bilge pump, discharged fuel oil overboard. 15 gals released, 10 gal into water.	Equipment failure	None		Diesel Fuel	15 gals
10/18/2000		Honolulu	Oahu						Ocean	
20001018-2130	Clandestine "Conversion" Lab	94-106 Pupupuhui St		96797	SOSC received notification from HPD Narcotics upon HPD conducting a served entry to a clandestine laboratory site. SOSC was requested to standby, should HPD encounter hazardous chemicals/unknowns, requiring SOSC response for I.D. and disposal.	Illegal Activities	SOSC placed PENCO Contractors on standby per HPD request for assistance in the event a response would have been necessary. HPD did not require SOSC assistance, yet when SOSC stood-down HPD notified SOSC of another potential Clan. Lab. SOSC stood-by.		Acetone, etc...	0
10/18/2000		Waipahu	Oahu						Air	
<p>SOSC received notification from HPD Narcotics upon HPD conducting a served entry to a clandestine laboratory site. SOSC was requested to standby, should HPD encounter hazardous chemicals / unknowns requiring SOSC response for I.D. and disposal. SOSC placed PENCO Contractors on standby per HPD request for assistance in the event a response would have been necessary. HPD did not require SOSC assistance, yet when SOSC stood-down HPD notified SOSC of another potential Clan. Lab. SOSC stood-by for a second time. No response was necessary at the second site.</p>										
20001019-0952	Nuuanu Stream Diesel spill	Nuuanu Stream-Corner of Hotel St. and River St.		96817	Refueling nozzle broke when refueling equipment from truck. 20 gal spill, 4-5 gal into stream. Remainder on road, asphalt. Sheen, 3ft wide in stream. Written 11/6/00 Emergency cut-off valve used, spill kit off of fuel truck used for cleanup.	Equipment failure	Vaccum truck, absorbents used on street to cleanup. Vacuum truck, absorbent, booms used in stream. They would inform Clean Water, Coast Guard of spill. Written 11/6/00 Absorbent granules and pads placed on spill and for containment. Within 30 mins cont.		Diesel Fuel	20 gal
10/19/2000		Honolulu	Oahu						Asphalt, stream	
<p>installed 5" x 40' booms at mouth of stream before entering ocean. Immediate response taken fullest extent possible. Coast Guard checked response measures and found them to be more than adequate. HFD came by during incident and found remedial action adequate, no further measures required or performed by HFD.</p>										

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001019-1030 10/19/2000	Sheen Pier 16,17	Honolulu Harbor		96817	Large sheen sighted. (Could this be from spill in Nuuanu stream, at 9:52 am)		None	Unknown Ocean	
20001019-1831 10/19/2000	Bucket marked lube oil	Lahaina Harbor		96761	Sheen coming from a floating bucket marked lube oil.	Unknown	Bucket removed.	Unknown Ocean	3 gal
20001019-2024 10/19/2000	Pier 21 Rainbow sheen	Pier 21 Honolulu Harbor		96817	Unknown sheen discovered at pier 21. Looks like Diesel, rainbow sheen. Believes sheen started at Pier 13.	Unknown	None	Unknown Ocean	Unknown
20001021-1500 10/21/2000	HELCO Substation Waimea Unit 7 crankcase oil	PO Box 325		96734	Written 11/27/00 At 7:40 am two connecting rods failed on the 20 cycle V-block EMD unit. Broken rods pushed out the hand hole covers, allowed crankcase oil to splash out into the collection sump under the engine. Small amount of oil onto concrete pad	Overspeed of generator	notification only Written 11/27/00 Helco maintenance crews from Hilo and Keahole responded. Oil was pumped from sump into an adjacent 55 gal drum. Engine compartment and area wiped down. Phillips Services completed cleanup on Oct. 23, 2000.	Lube Oil Within Facility	55

Diesel generator overspeed caused expulsion of 100 gallons of lube oil from 400 gal tank. Spillage onto exhaust pipe caused small fire extinguished by workers. Spill was within facility and within containment berm. Information updated 11/27/00 by Stan Deuz.

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001021-1810 10/21/2000	Honolulu International Airport Jet A Spill	Between Taxiway G and F		96819	Jettison valve slightly open on aircraft, fuel release to tarmac.	valve open		Jet A fuel	25
		Honolulu	Oahu					Asphalt	25
Airliner had fuel jettison valve slightly open. When plane was rocked backward between taxiways A and G, approx 25 gallons of Jet A was expelled onto the asphalt. Cleanup was done by ground crew with absorbants.									
20001021-1811 10/21/2000	Honolulu Airport Operations	400 Rodgers Blvd, #700		96819	Release of 25 gallons Jet A on taxiway due to partial open fuel jettison valve.	open valve	Response by airport personnel. Absorbant applied.	Unknown	25
		Honolulu	Oahu					Concrete	yes
The fuel jettison valve was partially open when plane was rocked backwards between taxiways A and G. The fuel sloshed out of the valve onto tarmac.									
20001023-0400 10/23/2000	DRILL Chemical Tanker collided with Container Ship Drill	15 miles east southeast off Honolulu			DRILL A chemical tanker ship collided with a container ship due too unknown causes. DRILL DRILL John Salvesen, Odfjell Tankers, 12211 Port Road, Seabrook, TX 77586. Ships are: Bow Petros, Norway. White Star, Panama.	Unknown	DRILL Material is being transferred to another container. National Response Corp being activated. DRILL DRILL	P-xylene	
			Oahu					Ocean	
20001023-1105 10/23/2000	Hawaiian Electric	891 Kalanipuu St		96825	(Non-PCB) transformer oil leak occurred on 10/21/00 @ approx. 1430. Source: Padmount transformer. Cleanup completed same day spill discovered. Written 10/25/00 Corrosion damage to	Leaking transformer due to rust and corrosion	Written 10/25/00 Concrete pad was removed and replaced. Petroleum-contaminated soil was removed and replaced with clean soil. Cleanup of the area was completed approximately 2230 hours 10/21/00.	Transformer Oil	28
		Hawaii Kai	Oahu					Soil, concrete pad	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001024-1400 10/24/2000	Beached Polydrum	55-137 Kamehameha Hwy		96762	Blue 55 gal-drum in ocean. Leaking, may be diesel.	Unknown	HFD located drum next day, 10/25/00, at 55-148 Kam Hwy. Penco removed drum that day.	Diesel Fuel beach	1 55-gal drum
20001025-0634 10/25/2000	Mililani Shopping Center- Physicians Center	95-390 Kuahelani Ave		96789	Red biohazard trash bags found in shopping center dumpster. Trash hauler left them behind. Physicians	Janitor put regular trash in biohazard bags because he didn't have regular bags	Researched Infectious Waste Regs	solid waste	no
<p>Janitor was out of regular trash bags so he used red biohazard bags, and placed them in the shopping center dumpster. The trash hauler refused to pick them up and left the bags beside the dumpster. SOSC obtained infectious waste regs from Solid Waste and appraised both shopping center and physicians center managers of same, suggesting at the same time that the janitor was required to attend a bloodborne pathogens class by OSHA standard.</p>									
20001025-0934 10/25/2000	47-699 Wailehua Place - Alleged violations of conducting business in a residential neighborhood	47-699 Wailehua Pl		96744	Allegations of someone conducting a roofing business in a residential neighborhood; exposing black tar in plastic containers accessible to kids; approx. 10-15 abandoned vehicles parked on sidewalk; pipe extending from residence to storm drain.		Referral to City and County of Honolulu's Zoning/Land Use	Unknown	
<p>Referral to City and County of Honolulu</p>									
20001025-0947 10/25/2000	Pahoa High School			96778	Two 55 gallon drums found under school structure. Odor perceptible. Substance unidentified	Old storage	Called Rodney Goo, BOE Safety and Security (586-3457) to initiate BOE sampling and disposal.	Unknown	2
<p>Frances of Pahoa High School was referred to Hawaii DHO(Arron Ueno) by BOE Safety for two old drums under a wooden classroom. The drums are rusty and emitting an odor. Contents are unidentified. Called BOE and explained their responsibility as responsible party. They will probably need SOSC help in sampling and disposing of drums. 11/3 requested Capt Myron Yoshioka HFD Hazmat to check drums for signs of release, odor, and logistics involved with overpacking. HEER response likely due to inactivity by PRP</p>									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001025-1203 10/25/2000	Barbers Point Harbor sheen	Pier 6 Barbers Point Harbor		96707	Logan, grounds keeper, noticed sheen by vessel "Wadi Alarish". Called in to Aloha Tower to report. Logan #682-3989. Harbors has contacted Coast Guard.	Unknown		Unknown	Unknown
		Kapolei	Oahu					Ocean	
20001025-1520 10/25/2000	Substance bottom of Kahului Harbor	Kahului Harbor		96732	Caller has discovered unknown substance at the bottom of Kahului Harbor.	Unknown	Investigation underway.	Unknown	
		Kahului	Maui					Ocean	
20001026-0853 10/26/2000	Chevron Refinery Pipeline		Oahu		Black oil pipeline lost pressure at 1200 10/25. Guaging and tank sounding indicates no leak. Black oil was displaced with light oil and system did not hold pressure. Working on the discrepancy. 10/27 update: Faulty metering	Faulty metering/ no release	notification of possible problem only/ standby as Chevron works problem	Unknown	0
<p>Refinery environmental reports that black oil pipeline lost pressure at noon 10/25. Guaging and sounding indicate no loss of product. Subsequent pressure test did not hold. Working group has not yet determined if product released. Problem is in first 7 miles of pipeline on land between refinery and Ewa. 10/27 up date by Larry Rhoades: Problem initially was that meters on both ends of pipeline did not read the same causing auto shutdown. With valves shut on both ends, system did not hold pressure. Replacement of metering sensor resulted in same readings for both ends. Pressure drop attributed to cooling of product with subsequent contraction of volume. No product found outside pipeline.</p>									
20001026-0948 10/26/2000	USS Port Royal Lube Oil spill	Pier Bravo 13 Pearl Harbor		96818	While fueling Lube oil from pier, gasket on pipe failed. Leaked oil into water. Sheen located under the pier, next to	Equipment failure	Pearl Harbor skimmer with boom and absorbent rags used.	Lube Oil	2 gal
		Honolulu	Oahu					Ocean	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001026-1020 10/26/2000	DRILL Port Allan spill DRILL	Port Allen		96756	DRILL The Material was released from a hose gasket due to a split gasket. Only 1 barrel in water. DRILL	Unknown	Booms Applied.	2-D Ocean	2 barrels
20001026-1336 10/26/2000	Unitek Solvent Services Inc	330 Hukilike St		96732	Fuel spill during transfer from vac-truck to storage tank. A hole was discovered during tranfer operation in the (250 gallon) tank. Clean up completed same day spill discovered. Written 11/27/00 Oil spread to D & M Hydraulic parking lot.	Hole in storage tank	Written 11/27/00 Transfer was stopped. Vac truck used to pump used motor oil remaining in the poly tank and oil collected on concrete floor. Absorbent pads and dry sweep spread on spill area. Used materials were drummed into 2 1/2--55 gal drums cont.	Used oil Cement & Asphalt	100
Information updated 11/27/00 from written report dated 11/24/00. Cont. And shipped for disposal on Oahu. Leaking poly tank was cleaned, disposed of.									
20001026-1820 10/26/2000	Wiki Wiki Ferry oil trail	Tower Market Place		96813	Trail of oil coming from the ferry which travels between Honolulu and Barbers Point.	Unknow	None	Unknown oil Ocean	
10/30/00 0813 hours: SOSC received notification. No further action at this time.									
20001027-1940 10/27/2000	Odor in vicinity of 2040 Nuuanu	2040 Nuuanu Ave			Reporter complained of odor in the vicinity of 2040 Nuuanu Avenue.			Unknown	
SOSC spoke with caller - smell has been ongoing for three days; suggested caller to leave the area if the smell gets worse. Caller also requested to talk to neighbors and inquire if they have smelled the odor. Caller provided name and number of building manager: John Hanneman (899-5604); the telephone number provided is not in service. 10/30/00 0850 hours: left a message with caller to call SOSC back.									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001028-1951 10/28/2000	Sheen sighted in Lahaina Harbor	Lahaina Harbor		96761	Sheen sighting Lahaina	Unknown	None	Unknown Ocean	
20001029-1201 10/29/2000	Pier 34 Mystery sheen	Pier 34 Honolulu Harbor		96817	Web report, mystery sheen reported to MSO. Unknown source. NRC report states 1 pint released.	Unknown	Dissipate Naturally.	Unknown Ocean	
20001030-0840 10/30/2000	Puunene Mill Fuel Oil Unloading Station Spill	1 Hansen Rd		96784	Fork lift operator dropped waste oil tank onto asphalt/ gravel area. Oil absorbed by bagasse. See written follow up report # 2000-10.	Dropped tank	Notification only	waste oil Asphalt	500 oil
Fork lift operator dropped 500 gal used oil tank onto ground releasing 500 gallons onto asphalt and gravel. Clean up utilized bagasse as an absorbant which was subsequently burned as boiler fuel as per their air permit which allows the mill to burn only their own used oil but not that from off site. The used oil was generated by the mill.									
20001030-1515 10/30/2000	Dumped asbestos bag	Townbound - Wahiawa cut-off to H-3			Reporter called seeing an asbestos bag dumped on side of the road; he thinks that it fell off some truck			Unknown	
SOSC is arranging for disposal with the assistance of Solid Waste Office (Gary Siu) at Waste Management's Waimanalo Landfill. Searched for the bag - bag could not be located. No further action at this time.									
20001031-1309 10/31/2000	Sheen Keehi Boat Harbor 546909	Keehi Boat Harbor		96819	Rainbow sheen discovered at Keehi Boat Harbor.	Unknown	Investigation underway.	Unknown Ocean	Unknown

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001101-1015 11/1/2000	South Shore Sheen 546978		Oahu		Unknown sheen reported: Kewalo Channel	Unknown		Unknown Ocean	Unknown
20001102-1050 11/2/2000	Oil Spill - Kewalo Basin	Kewalo Basin	Oahu		Caller reported that a 5-gallon bucket containing oil spilled onto asphalt. Cleanup completed using absorbents. Location: (Ala Moana) Park side of Kewalo Basin.	Unknown person kicked container on its side.	No response. (SD)	Oil, Used Asphalt	5
20001102-1105 11/2/2000	Kaunakakai Harbor - THIS IS A DRILL	Kaunakakai	Molokai	96748	THIS IS A DRILL. Caller stated that there was a spilt gasket on a barge delivering diesel fuel to a terminal at the Kaunakakai Harbor.	Equipment Failure	No action required. This is a drill.	Oil, No. 2-D Water	1
20001102-1124 11/2/2000	Ala Moana Center--cleanin g chemicals	1450 Ala Moana Blvd	Honolulu	Oahu 96814	Shopping Mall is cleaning the mall with cleaning chemicals and then hosing down the mall with water and letting it run into the storm drains.		None	Unknown Storm Drain, water	
20001102-1136 11/2/2000	Reports of gasoline floating on floodwater	along Mamo Street to Pauahi Street (Hilo Bay front along Kamehameha)	Hilo	Hawaii	Report of gasoline floating in area. Roads are closed due to floods.		Contacted Chevron and Shell (now Equilon), located along Pauahi Street, requesting them to check their tanks. Contacted HFD to also check.	Unknown	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City Island	ZIP					
20001102-1420	Long's Drugs Kaneohe Bay	46-047 Kamehameha Hwy	96744	Kaneohe Bay Long's Drugs store. Doing work in store, fumes are bad, no fans.	Work being done in store.	Sharon called Indoor Air Quality to report phone	Unknown	
11/2/2000		Kaneohe Oahu					Air	
20001102-1430	Kewalo Basin, Diesel Sheen	Kewalo Basin	96814	USCG MSO Honolulu notified HEER of a diesel spill creating a sheen in Kewalo Basin near the Kewalo Shipyard vicinity. HEER SOSC responded and sighted a slight (residual) rainbow sheen in the cove behind the wholesale fish freezer bldg, Ewa Kewalo	Vessel Discharge	USCG MSO Honolulu notified HEER of a diesel spill creating a sheen in Kewalo Basin near the Kewalo Shipyard vicinity. HEER SOSC responded and sighted a slight (residual) rainbow sheen in the cove behind the wholesale fish freezer bldg, Ewa Kewalo Basin.	Diesel Fuel	1
11/2/2000		Honolulu Oahu					Ocean	0
USCG MSO Honolulu notified HEER of a diesel spill creating a sheen in Kewalo Basin near the Kewalo Shipyard vicinity. HEER SOSC responded and sighted a slight (residual) rainbow sheen in the cove behind the wholesale fish freezer bldg, Ewa side of Kewalo Basin. After speaking with local fisherman, SOSC learned that there was diesel fuel sighted in the water the evening prior and had dissipated on the outflowing tide. The Nov 2nd sheen resulted from residual fuel trapped in the small cove. The sheen dissipated rapidly with on-scene weather conditions.								
20001103-1503	JP-5 Spill at MCBH Kaneohe Bay			25-30 gallons of JP5 leaked onto the flight line and was cleaned up immediately.			Jet Fuel JP-5	
11/3/2000		Kaneohe Oahu					Concrete	25 gallons
20001103-1642	HECO Pipeline	Malakole St & Kalaeloa St	96707	Contractors digging trench discovered oil pocket	old oil release from pipeline	notification only/RP	black oil or old LSFO	20 gal
11/3/2000		Kapolei Oahu					Soil	25 gal
Construction crew digging trench discovered old black oil or LSFO release of less than 25 gallons. Chevron is under contract by HECO for maintenance of pipeline. Chevron sucked oil out with vactruck.								

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001105-0807 11/5/2000	Sheen Manele Bay Harbor 547343 Lanai	Manele Bay Harbor Lanai	Lanai	96763	Caller has discovered unknown sheen in the Manele Bay	Unknown	Investigation underway. State hospital: Ken Christopher 264-5106 (cell) reported.	Unknown oil Ocean	Unknown
20001107-1012 11/7/2000	F/V Virginia Creeper 2-D spill Honolulu	Pier 17 Honolulu Harbor Honolulu	Oahu	96817	While fueling the F/V Virginia Creeper, material burped through the vent. Sylvan Seafoods called the Coast Guard for the responsible party. Number (808) 282-5143.	Unexpected problems	Used sorbents to recover the material.	Unknown Ocean	20 gal
20001110-1815 11/10/2000	Maui Electric Company Maalaea Plant diesel release Maui	Maalaea Plant Maui	Maui		Approximately 300 gallons diesel fuel spill into a concrete berm.	overflow	None, spill was contained. Written 12/13/00: Spill was 3300 gal of diesel, completely contained in concrete, plastic lined berm. Berm 1A recovered, 2A as much as possible recovered. Gravel in berm is contaminated. MECO looking at several options.	Diesel Fuel Concrete	300
20001110-2106 11/10/2000	Waimalu Stream odor Pearl City	Kamehameha Hwy. Pearl City	Oahu		Alleged strong odor from the stream		Referred to City and County of Honolulu Road Maintenance.	Unknown	

11/13/00: SOSC spoke with Lester of Clean Water Branch who informed SOSC that the stream in question is maintained by the City and County of Honolulu. Caller was referred to City and County of Honolulu Road Maintenance. SOSC spoke with David (456-3580) who will inform the caller that plans are underway and process has been started 3 months ago to dredge the stream. No further action at this time.

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001113-0940 11/13/2000	Vessel "Maltese Flex Orion: 10 gallon diesel fuel spill	Pier 34 at the Honolulu Harbor	Oahu		Improper sealing of a manifold caused a release of approximately 10 gallons of diesel fuel from a general cargo vessel "Maltese Flex	Bunker manifold not properly secured	None; incident was reported when response actions have been completed.	Diesel Fuel Ocean	10
Awaiting written notification. Written notification received 12/8/00 via fax. Information updated by S.Deuz.									
20001113-1410 11/13/2000	Clandestine Lab "conversion residuals"	Armored Vehicle Garage, Kaliawa Street	Oahu	96819	HPD notified HEER SOSC of potential unknown chemicals which originated from a Clandestine lab. The residuals were transported by an apartment complex owner, from a vacant apartment, to his place of business prior to HPD notification & HEER response.	Illegal Activities	SOSC along with PENCO contractors responded to the site. HPD discovered meth residuals, processed the chemicals. HEER/PENCO did not have to conduct ID, removal or disposal ops.	Ethenol, Acetone, Crystalmetham phetamine residue Other	1
HPD notified HEER SOSC of potential unknown chemicals which originated from a Clandestine lab. The residuals were transported by an apartment complex owner, from a vacant apartment, to his place of business prior to HPD notification & HEER response. SOSC along with PENCO contractors responded to the site. HPD discovered "meth" residuals, processed the chemicals. HEER/PENCO did not have to conduct ID, removal or disposal ops. The clan materials originating location is within the 1600 block of Silva Street, Kalihi. NOTE: Penco case number is different (20001113-1405) on invoice #2981.									
20001114-1250 11/14/2000	Hawaiian Beaches Puna District sheen	End of Kaiakai	Hawaii	96778	Unknown sheen.		None	Unknown Ocean	Unknown
20001115-1057 11/15/2000	Unknown green liquid release at Pau Street	430 Keoniana St	Oahu	96815	Report of an unknown green liquid on the street		Site visit - determined to be green fluorescent dye that 430 Keoniana Street was using. City and County of Honolulu requested resident manager to clean it with	Unknown	
No further action at this time.									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001115-1633	Backup	45 Hauola Ave		96786	Backed up sewage exposed, 4 ft wide puddle about 1 ft deep. Private property			Unknown	
11/15/2000		Wahiawa	Oahu					Soil	
20001115-2000	Kailua Wastewater Treatment Plant Headwater Odor shutdown	95 Kaneohe Bay Dr		96734	Notifying for emergency shutdown of air pollution equip for Kailua Treatment Plant. Equip to be taken out. Purpose is GAC#2 has a hydrogen sulfate break through; inspection will be performed on the internal components of the GAC. See 24-hour emerg log.		Referred to Clean Air Branch	Unknown	
11/15/2000		Kailua	Oahu						
20001117-0941	DRILL Kalaeloa Barge Harbor DRILL	Kalaeloa Barge Harbor		96707	DRILL Barge "Pinto" vessel had a split hose due to hose being pinched between barge and pier. DRILL Ten (10) barrels released, 2 barrels into the water. DRILL	Equipment Failure	DRILL Spill contained with booms, pumps and a skimmer boat. Spill secured.	Diesel Fuel	10 barrels
11/17/2000		Kapolei	Oahu					Ocean	
20001119-1130	Kapaa Quarry Road Dumping	Kapaa Quarry Rd		96734	Fire Hazmat responded to dumping near transfer station. Checked thirty 5gal plastic buckets alongside road. Identified as a plaster or grout-hardened and non hazardous	fugitive	Hazmat determined non haz solid waste. Material picked up by road maint	plaster/grout	150gal
11/19/2000		Kailua	Oahu					Soil	no

Five gal plastic buckets (30) contained hardened plaster substance weighing approx 40 lbs each. C&C transfer station worker states that he had turned away a van with the buckets in it. Driver then dumped same outside on road. Fire Hazmat responded to dumping call. Since contents were non haz, SOSC investigated on Monday. Transfer station would not accept material, but did remember turning away a van with the buckets on Sunday, the day of the dumping. The driver was told he would have to take the material to Nanakuli. C&C road maint was called to pickup the buckets.

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001121-1020 11/21/2000	Leaking shipping container	Pier 51		96819	Shipping container leaking liquide. Manifest--Ace Hardware, type 2 compress gas.	Unknown	PENCO hired. Liquide was water: no containers leaking.	water	
		Honolulu	Oahu						
20001121-1028 11/21/2000	Kewalo Shipyard Release from a Pacific Missile Range Facility Vessel				Material was released from the ballast tank on a vessel due to pumping out the tank. Incident location Kewalo Shipyard, Kewalo Basin, Oahu. Contractors (ITT Industries) conducted the pumping out of the fuel. Vessel name not mentioned. Vessel: TWR 833	Leaky	Note: Robert Inouye stated that incident actually occurred on 11/1/00 and that they did received the notification from the contractor's until 11/17/00. Mr. Inouye made call after following notification procedures. Vessel: TWR, N0534A	Diesel Fuel Marine	10 Gallons
			Oahu					Ocean	
Written 11/28/00	Spill cause: Leaking fuel within ballast. Fuel release when ballast was being emptied. Diesel fuel dissipated and evaporated. No cleanup.								
20001121-1100 11/21/2000	Kewalo Demolition	Ilalo St		96814	Oily water discovered during demolition of buildings on Ilalo St. in concrete vault, possibly hdro-carbon. TMK 2-6-60 Parcel #5.	Leaky vault		Unknown	Unknown
		Honolulu	Oahu					Soil	
20001122-0755 11/22/2000	Hot Fuel Point	Wheeler Army Air Field		96786	Fuel pump not secured properly (recycling).	Operator error	Army cleaning up spill, drysweep. Fire Dept put foam. Foam has been placed on the spill to control the vapors and crews are en route to conduct the cleanup.	Jet Fuel JP-8	170 gals
		Wahiawa	Oahu					soil, asphlat	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001123-1511 11/23/2000	Ala Moana Tennis Court Area paint thinner smell	Ala Moana Beach Park	Oahu	96815	Strong smell paint thinner at Ala Moana beach park tennis court area, ewa end. Caller notified hospital dispatch appx 4 hours later upon arrival		Construction site. None	Unknown	
20001123-1823 11/23/2000	Unknown sheen 549027	Honolulu Harbor	Oahu	96819	Unknown sheen.	Unknown	None	Unknown Ocean	
20001124-1020 11/24/2000	"Chinook" fuel leak	Pier 20 Honolulu Harbor	Oahu	96817	Tug "Chinook" was secured to the dock when a pin hole leak developed in the top of no. 4 inboard fuel tank. Brad Rimell of Sause Bro. Inc Ocean towing called NRC for RP. Phone is: (808) 521-5084.	Equipment failure	Crew transferred fuel from the suspected tank to the day tank. Cleanup on deck was completed in 30 minutes. The sheen dissipated before cleanup was completed.	Unknown Ocean	1 cup
20001124-1455 11/24/2000	Hawaii Kai Dumping	218 Maunalua Ave Hawaii Kai	Oahu	96821	Caller reports 5 gal pail of oxidizer dumped out across from her residence	dumping	Identified an dremoved substance	Diatomaceous Earth	5 no
<p>Caller reported contents of 5gal plastic bucket dumped on ground across street from her residence. Label on bucket: Oxidizer 5.1, Trichloro cyanuric acid. Site visit revealed approx 5lbs of white powder identified as diatomaceous earth (swimming pool filter powder).SOSC bagged same and removed for disposal.</p>									
20001124-1657 11/24/2000	M/V Seaspan Commodore	Canada	Oahu		A spill occurred during vessel fueling of tug "Seaspan Commodore:, possibly a Canadian Flag vessel. Air in the tank may have caused fuel to burp out. Location: Pier 33, Honolulu Harbor.	Unknown		Unknown	1 Water

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001124-1727	Sea Span Fuel Leak	10 Pemberton St			Material released out of the sounding pipe when the second engineer removed the cap and the material spilled out on the deck. (See Case No. 20001124-1657). 1 cup of liquid entered water.			Oil, Engine	1
11/24/2000		North Vancouver	Oahu					Water	
20001125-0951	Maruyou-Gyogyo	Japan Tuna Fisheries 5-12 Kitahama			Unknown material released out of the motor vessel due to an unknown cause. Incident discovered 11/25/00 @ 0930. Location: Pier 32, Honolulu Harbor. Vessel Name: Daikichi 1.	Unknown		Unknown	
11/25/2000			Oahu					Water	
20001126-0000	Sanitation Chemical and Sewage dumped in river	Stream at Kohala		96755	Hazmat IV called, someone dumped truck load of sanitation chemical and sewage in river, (Kohala). Pool 10-20 ft. Kona Sanitarian to visit site. Blue dried fecal waste adjacent to small stream. Forwarded to CWB/WWB for	Dumping	Kona to sample and forward to HEER for UH? Never forwarded sample.	Sewage	
11/26/2000		Kohala	Oahu					Stream	
20001126-1148	Propane leak-Mililani	Mililani		96789	Propane leak, called hazmat. No response necessary, gas company on scene, routine maintenance.	Routine maintenance	Hazmat called, gas company doing routine maintenance.	Unknown	
11/26/2000		Mililani	Oahu					Air	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001126-1718 11/26/2000	Sewage Spill - St. Louis Heights	1667 Kanalui St Honolulu	Oahu	96816	Sewage spill occurred @ 1667 Kanalui St. Cause: roots; no storm drain involved.	Tree roots clogging sewer line		Unknown	Unknown
20001127-0830 11/27/2000	Bathroom Sewage Spill	Honolulu	Oahu		Sewage spill onto sidewalk and into stormdrain leading into ocean. Broken pipeline under park bathroom is caused. Beach closed until further	Broken pipeline		Wastewater Ocean	Unknown
20001129-1520 11/29/2000	Pacific Landscape Co.	Mililani	Oahu	96789	Waste oil leaking unto bare ground from 55-gallon drums and abandoned engine block. Release notification reported on Nov. 27 & 28, 2000 by Lisa Bail, Attorney, Goodwill Anderson Quinn & Stifel, for Pacific Landscape Corp.	Leaking containers		Waste oil Soil	25
20001129-1557 11/29/2000	DRILL 549557	179 Sand Island Rd Honolulu	Oahu	96819	THIS IS A DRILL. Gasket ruptured on a barge causing material to spill into harbor of Kaumalapua. 1 barrel entered water. THIS IS A DRILL.	Ruptured Gasket	No response necessary. Drill exercise.	Diesel Water	5
20001130-0817 11/30/2000	"Miss Aggie N" diesel spill	Slip 102 Kewalo Basin Honolulu	Oahu	96814	M/V "Miss Aggie N", automatic tank kicked on and pumped fuel into Kewalo Basin.	Equipment failure	None. Miles Gould called for the responsible party to NRC. His number is (808) 721-4299.	Diesel Fuel Ocean	2 gal

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City Island	ZIP					
20001203-1324	Alalakeiki Channel	100 yards Kamaole #1 beach	96753	Unknown sheen in the Alalakeiki channel possibly from a pleasure craft in the area. 100 yards Kamaole	Unknown	None	Unknown	
12/3/2000		Kihei Maui					Ocean	
20001203-2125	Intersection of Waolani & Kauai St.		96817	Sewage spill occurred @ 7:45 pm. Area secured @ 8 pm. No storm drain involved.	Clogged sewer line		Unknown	30
12/3/2000		Honolulu Oahu					Other	
20001205-1035	Auto Rescue and Repair	818 Iwilei Rd		Antifreeze spill from a ruptured line	Ruptured line	Called the responsible party and requested a written notification fopollow-up	Ethylene Glycol Antifreeze	
12/5/2000		Honolulu Oahu					Storm Drain	
Call was initially referred by Greg Yee of City and County of Honolulu Environmental Services								
20001205-1222	"Neptune" Diesel spill	Kewalo Basin	96813	Discharged appx. 2 gals of diesel from vessel's fill pipe during refueling operatons.	Equipment failure	Vessel crew conducting cleanup.	Diesel Oil	2 gals
12/5/2000		Honolulu Oahu					Ocean	
20001206-1143	JP-8 spill Hickam	Parking spot 16-B	96818	Moosehead connection got loose temporarily while refueling DC-8. Appx 30 gals on pavement (asphalt-concrete). Contained on ramp, cleanup done.		Cleanup done using absorbent pad, disposal at 90-day hazwaste.	Jet Fuel JP-8	30 gal
12/6/2000		Honolulu Oahu					Asphalt-concrete	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001207-1010 12/7/2000	Iroquois Point Boat Marina (Navy)	Iroquois Point		96706	Four drums of diesel fuel found abandoned at marina. One drum leaked, releasing 25 gallons to soil.	dumping	None. Cleanup and investigation by Navy.	Diesel Fuel Soil	25gal
		Ewa Beach	Oahu						
<p>Four 25 gallon poly drums of diesel fuel were found at Iroquois Point boat marina. Three were near the water and one was in a dumpster and leaked its content to the dirt. There were no markings on the drums. The source is unknown. Navy is digging up the contaminated soil, and disposing of the diesel drums.</p>									
20001207-1011 12/7/2000	DRILL Barge "Pinto" DRILL 550258	Pier 5 Barbers Point Harbor		96707	DRILL Material was released when a Transfer hose split between barge "Pinto" and delivery dock. DRILL	Equipment failure	DRILL Deployed containment boom, skimmers, seperators. DRILL	2-D fuel oil Ocean	5 barrels
		Kapolei	Oahu						
20001208-1112 12/8/2000	TWR6 USS Ferret	Johnston Atoll		96814	Navy vessel, USS Ferret, tied to dock and pumped their oily bilge water overboard into	Unknown	Booms applied, absorbents applied, o/b valve closed.	Oily bilge water Ocean	
		Honolulu	Southwest						
20001208-1700 12/8/2000	Tip Top Motel clandestine drug laboratory.	3173 Akahi		96766	KFD reported on helping of removal of chemicals from clandestine drug lab. Removed from car and motel room. KFD seeking reimbursment of costs incurred.			Chemicals	
		Lihue	Kauai						
20001211-1000 12/11/2000	Harbor Pipeline Survey	Honolulu Harbor		96819				Unknown	
		Honolulu	Oahu						

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001211-1010 12/11/2000	DRILL "Pinto" DRILL 550621	Pier 6 Barbers Point Deep Draft Harbor		96707	DRILL While loading the barge "Pinto", line split due to surge. Material is releasing from the line. Six barrels in water. DRILL.		DRILL Booms applied, skimmers will be used. DRILL	2-D fuel oil Ocean	8 barrels
20001211-1635 12/11/2000	Wailuku Irrigation Reservoir #74	Honoapiilani Hwy		96793	3-55 gallon drums found containing waste oil near reservoir #74. 150 gal released, drums were stood up, not leaking. Area secured and drums will be moved on Wednesday. Liquid will be treated as hazardous waste. Sean O'Keefe will submit written report.	Abandoned drums		Unknown N/A	3
See written report for further information.									
20001214-0135 12/14/2000	Air Canada JP-8 spill	Gate 33 Honolulu Int'l Airport		96819	Aircraft "646" tank overfilled causing the tank to vent 30 gal of JPE fuel on the pavement.	Operator error	Spill contained with absorbents, used to recover material. Spill secured.	Jet Fuel JP-8 pavement	30 gal
20001216-1814 12/16/2000	Discharge of diluted ink				Diluted ink mixed with water spilled into storm drain. Cleanup completed. Phone #s provided for inquiries: 371-7319 (cell); 526-0541; Mr. Bill Bogard's Ofc. 525-7668.			Ink Storm Drain	Unknown
20001218-0915 12/18/2000	Odor in area of 3327-A Kaimuki Ave.	3327A Kaimuki Ave			Odor since Friday (12/15). Caller reported health effects. Caller has asked his neighbors and they reportedly smelled it also.		Referral to Clean Air Branch.	Unknown	
			Oahu						

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001219-1202 12/19/2000	USAV Clinger Diesel spill	Pier F 10		96860	During internal fuel oil transfer, from tank to top off day tank, fuel spilled onto cargo deck and 20 gal into water. Written 1/2/01, same as called.	Operator error	Boom deployed before spill. Spill cleaned on deck, Navy response team using skimmer, boom, socks, absorbent for spill in water. Cleanup on going. Coast Guard on scene, gave assesment as	Diesel Fuel F-76	20 gal
		Honolulu	Oahu					Ocean	
20001219-1415 12/19/2000	Alenaio Stream Sludge/Hilo Soccer Fields	Kamehameha Ave		96720	Soil sampling was requested after the heavy flooding of November. PAH's were found in the soil. The defunct Hilo Gas Co Ltd site where creosote was stored was in the path of the flood waters. Emergency response removal to remove creosote flowing to canal	flood water+	Soil sampling, match to free product, removal under emergency response	Unknown	10
		Hilo	Hawaii					Soil	1
DHO requested soil sampling of silt on soccer fields and from blocked canal deposited during heavy flooding. When on site, release of creosote from old gas co was observed on canal embankment. Threat of release to waterway, and naphthalene offgassing prompted removal. Soil samples from soccer fields show presence of PAH's. Health risk to be									
20001219-1624 12/19/2000	Possible cooking grease into creek	505 Front St		96761	Company next door to him is steam cleaning all of their kitchen equipment that is covered in grease. It's going directly into the creek.	Dumping	None. Last day company will be washing down their equipment and caller would like someone to investigate before they	Cooking Grease	
		Lahaina	Maui					Ocean	
20001220-1400 12/20/2000	Alleged spraying of diesel on 5132 Kula Road	5132 Kula Rd			Allegation of spraying of diesel on property and rusting drums located on property		Requested PRP, Mr. Katsumi Oda, to discontinue spraying and conduct appropriate disposal of drums.	Unknown	
	No further action at this time.	Kapaa	Kauai						

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001221-2230 12/21/2000	Alleged sewage pipe spilling at Ala Moana parking lot	Ala Moana Shopping Center lower parking lot			Caller reported that an 8 - 10 inch pipe at the bottom of a staircase at the lower parking lot mauka by Big Dog, towards Liberty House has been, for the past year and a half, intermittently shooting sewage at different times of the day.		Referral to Wastewater Branch on December 22 at 0835 hours..	Unknown	
No further action at this time.		Honolulu	Oahu					Concrete	
20001222-0908 12/22/2000	Transformer Waikamilo Road accident	937 Waiakamilo Rd		96817	Telephone pole hit by car, transformer fell. Occurred at 1:00 am. More than 25 gal, less then 100 gal. PCB free oil, non in storm drain. Oil on walkway, pavement. Hazmet on scene, brimed spill, clean off road and sidewalk. Written 12/28/00 appx 70 gal.	Car hitting pole	Clean-up completed by HECO crew at 6:30 am. Written 12/28/00.	Transformer Oil	more than 25 gal
		Honolulu	Oahu					Asphalt, sidewalk	
20001222-0927 12/22/2000	Crude Oil in ground Deep Draft Harbor	Barbers Point Deep Draft Harbor		96707	Crude oil found in ground during excavation. Haw'n Dredging doing work for Dot		Hawaiian Dredging used absorbents to cleanup.	Crude Oil	
		Kapolei	Oahu					Soil	
20001222-0955 12/22/2000	Queen & Cook Abandon	Queen St & Cooke St		96813	(Gave Terry copy to complete form.)			Unknown	
		Honolulu	Oahu						

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001222-1014 12/22/2000	Hot Asphalt leak on barge	Pier 3 Hilo Bay		96720	Portable intermodal tank containing hot asphalt stowed on a barge leaked during transit from Honolulu to Hilo. Found spill on deck and side, cold and hard 3:00 am, slow leak. Written 1/26/01 Value failure on a cargo storage tank load on barge Malana.	Valve failure	PENCO on site doing cleanup at Pier 3 Hilo Bay. Written: Spill on barge recovered by PENCO. Cleaning of cargo on	Chevron Asphat Cement AR-8000	300 gal
		Hilo	Hawaii					Ocean	
20001224-1847 12/24/2000	Automobile gasoline tank leaking from a rupture	Makiki area			Person ruptured the gasoline tank in the process of changing a flat tire.		Unable to contact the caller back (telephone number provided (538-9500) was not in	Gasoline	
		Honolulu	Oahu					Asphalt	
	No further action.								
20001225-1300 12/25/2000	Unknown Sheen -			96753	Caller says there is raw sewage in the water at the surf line. NRC received call from Jordan Awan, Makena Surf Condominium, Wailea, Maui. Phone: (808) 879-4792	Unknown		Unknown	Unknown
		Kihei	Maui					Ocean	
20001225-1330 12/25/2000	Raw sewage - beyond surfline by McKenna Condominium				Reported raw sewage while caller (Jordan Ayan - telephone number (808)-879-4792) was snorkeling beyond surfline in the vicinity of McKenna Condominiums, southend of Wailea, Maui		Tried to contact DLNR (DOCARE) to verify and determine extent, if necessary.	Unknown	
			Maui					Ocean	
	Referral to Wastewater and Clean Water Branch.								

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20001226-0801 12/26/2000	HECO - Makalapa Substation	94-285 Salt Lake Blvd		96818	HECO reported a release of transformer oil at the Makalapa Substation on Salt Lake Blvd. Incident occurred on 12/24/00, 3 a.m.. Spill was cleaned up by Hawaiian Electric.		Written report sent to RP - Failure to Notify	PCB free transformer oil	50
		Honolulu	Oahu					Soil	
20001226-0830 12/26/2000	Odor in vicinity of 3518 Kahawalu Dr.	3518 Kahawalu Dr			Odors reported by Ray Tom (521-9810); referred to the HEER Office by Robyn of DDEH. Odors started 12/24. Health effects reported. Homeowners evacuated their residence.		Site visit conducted.	Unknown	
		Honolulu	Oahu						
	Site visit conducted. Unable to smell the odor nor locate probable sources.								
20001227-0143 12/27/2000	ChemToi Portable Toilets set on	Hikimoi St & Mokuola St			Porta potties intentionally set on fire; Honolulu Fire Dept. responded and turned over the site to the Honolulu Police Dept. who in turn requested assistance from the Health		Requested HPD to contact the owners of the porta potties.	Unknown	
		Waipahu	Oahu						
	Referral to Wastewater Branch.								
20010101-1058 1/1/2001	Oil slick 1 mile offshore entrance buoy Ala Wai	1mile offshore entrance buoy Wai		96815	Jet ski operator sighted oil slick 1 mile offshore. Winds are blowing slick towards Waikiki Beach.	Unknown	None	Unknown	
		Honolulu	Oahu					Ocean	
20010105-1450 1/5/2001	Four spills at Dillingham Airfield	Dillingham Airfield		96791	Caterpillar conducting debri clearing broke line at 4 different times. The last break lost all hydraulic fluid from system as vehicle was parked			Hydraulic Fluid	2,5,10,40
		Mokuleia	Oahu					Asphalt	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City	Island	ZIP				
20010108-1300	41-183 Nalu Street alleged spraying of unknown	41-183 Nalu St		Caller alleges that neighbor has been spraying on her yard, causing stressed vegetation.			Unknown	
1/8/2001		Waimana	Oahu					
1/11/01 Arrived on site. Soil and leaf samples were taken where spraying allegedly occurred and brought to the University of Hawaii Lab for analysis. Results received on 1/15/01 indicated that the samples did not contain pesticides or petroleum hydrocarbons. On 1/19/01 at approx. 1410 hours, a message was left on the caller's answering machine. No further action at this time.								
20010109-0854	Mystery sheen 553022	Ala Wai Marina		"Web report", mystery sheen.	Unknown	Investigators enroute.	Unknown	
1/9/2001		Honolulu	Oahu				Ocean	
20010109-1150	Pier 31A Soil	Pier 31A Honolulu Harbor		Transport drums to UH Lab.			Unknown	
1/9/2001		Honolulu	Oahu					
20010109-1511	Hoopulua Farmyards	S Milolii between mile markers 87 and 88(makai side)		3 drums dumped on roadway. Not leaking. Appear to be petroleum.	dumping	Will need to make site visit top sample drums for disposal	Unknown	3
1/9/2001		Kailua kona	Hawaii				Storm Drain	25

DHO reports dumping of three drums petroleum material . Drums are intact and upright. Police inspected scene. Site is 2hrs drive from Hilo. It is 200yds to nearest house. Sample will be taken for disposal.

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010110-1030 1/10/2001	HC&S Field	Quarry Rd near Haleakala Hwy		96784	2 55 gallon drum of used oil found on Hawaiian Commercial & Sugar Co. property, Field # 605 by DHO-Maui Blake Shigi, who reported it to Sean O'Keefe. Area is adjacent to Haleakala and Hana Hwy. Drums not	Fugitive	No reponse made.	Oil	2
		Puunene	Maui					Soil	
	If clean oil, it'll be burned. If not, it'll be shipped out for disposal. See written reoprt dated 1/15/01 for updated informations.								
20010111-1043 1/11/2001	Drum knocked over at Dillingham Airfield	Dillingham Airfield		96791	Mini bulldozer had a leak on asphalt. Drained fuel into 55 gal drum, left drum on asphalt. Truck doing refueling backed into drum and spilled fuel on asphalt. Possible 40 gals.	Operator error	Digging up asphalt and soil, taking samples.	Fuel	40 gal
		Waialua	Oahu					Asphalt	
20010113-1326 1/13/2001	International Air Cargo	3255 Aolele St		96819	hydraulic oil seeped from ramp machine onto north ramp at airport and into drainage ditch	leak	Assure that RP was using absorbant to remove oil	Unknown	1.5
		Honolulu	Oahu					Storm Drain	
	Machine leaked 1.5 quart hydraulic fluid to No ramp and into drainage ditch. Personnel used absorbants to collect.								
20010115-0739 1/15/2001	"Moana Holo" diesel spill	Kawaihae Harbor		96738	Hole in port side stern quarter of the hull.	Equipment failure	Tub crew is cleaning up material with pads.	Diesel	1 quart
		Kawaihae	Hawaii					Ocean	
20010116-1803 1/16/2001	Sheen 553779 New Amber	Charlie Anchorage		96813	Reporting unknown sheen. NRC report 553781: This report is in reference to report 553779. The material is releasing from the vessel's hull due to an undetermined cause.	Unknown	None. Vessel has a single hull with a double lining. Caller became disconnected during report. NCR report 553783: Investigation underway.	Unknown	
		Honolulu	Oahu					Ocean	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010116-1945 1/16/2001	Vessel New Amber	Barbers Point Mooring		96707	Vessel New Amber reported leaking crude oil at mooring	leak below waterline	Notification only	Crude Oil Ocean	3 yes
<p>Vessel reported leaking crude at rate of 1 liter pre hour from below waterline. 0630 1/17/01 update: Divers inspection shows no damage, 1 cup oil found near keel. USCG is on board. Sheen was created , no booming done, non recoverable. Response contract is with National Response Corp. Cell phone for T. Flis:215 808-9780 / Cynthia Hudson: 215</p>									
20010117-1023 1/17/2001	Domestic Commercial Fishing Village	Piers 36-38 Honolulu Harbor		96817	Discovered contaminated soil during construction of footings for building. Took samples, testing. Written to follow.			Unknown Soil	
20010117-1542 1/17/2001	Alleged dumping - Wire Products	729 Ahua St			Allegations of ongoing dumping into a canal using PVC pipes and abandonment of 2 x 55-gallon drums by Wire Products located on 729 Ahua St. (tel. No. 833-6602).		Site visit conducted.	Unknown	
<p>Verbal consent of access received from caller, Dale Mau, who started leasing property on 710 Kakoi St (Mapunapuna area) 30 days ago. Pipes and drums can be seen from his property. 1/19/01 arrived on site at 0900; met by Dale Mau and Bill Baulieu (complainants) and Greg Yee of City and County of Honolulu Environmental Services. Drums were no longer there. A conversation held with Wire Products was done; four drums were said to contain water and were disposed of yesterday. Three PVC Pipes approximately 8 inches in diameter were observed originating from Wire Products to a canal. Ownership of canal (City, State, or privately owned) could not be determined. City and County of Honolulu will make the determination and City may refer the case to the Clean Water Branch, if appropriate.</p>									
20010117-1638 1/17/2001	Kualoa Park - Allegations of medical waste (used hypodermic needles) improperly disposed of	Kualoa Regional Park			Allegations of medical waste (used hypodermic needles) improperly disposed of.			Unknown	
<p>SOSC to refer to City and County of Honolulu Parks Department</p>									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010118-1936 1/18/2001	Illegal dumping of used cooking oil in a	Hookele St			Allegations of an unknown company dumping used cooking oil in a manhole		Referral to City and County of Honolulu	Unknown	
		Waianae	Oahu		Requested caller to provide name of company on the truck and/or license plates, times dumping are occurring. 1/19/01: left a message with the caller requesting permission to provide her name and number to the City and County of Honolulu as a referral. Awaiting for a call-back.				
20010118-1937 1/18/2001	Sewage spill at "Waianae Sewers"	bathrooms across 86-120 Farrington Highway			raw sewage reported across Burger King at Waianae Shopping Center; observed to be on-going.		Referral to the City and County of Honolulu Environmental Services. Copy provided to Dept. of Health's Clean Water Branch.	Unknown	
		Waianae	Oahu		Raw sewage observed from shore up to approximately 75 yards out. Suspected source: Public bathrooms operated by the City and County of Honolulu. Person who notified the U.S. Coast Guard is Steve Morrow (Work tel. Nos.: 682-2646, 682-2746 and home no. 685-5873.				
20010119-0942 1/19/2001	DRILL DRILL Kahului Harbor 554119	179 Sand Island Rd		96819	DRILL split hose on an offloading operations.	DRILL	DRILL DRILL Booms and boat deployed as well as skimmers.	Unknown	
		Honolulu	Maui					Ocean	
20010121-1232 1/21/2001	"Lokelani" sinking vessel	Berth 308 Heeia Kea Small Boat Harbor, Kaneohe			Sinking vessel, cause unknown.		Site visit conducted.	Unknown	
		Oahu						Ocean	sheen
	Vessel, "Lokelani" HA 3247G, approximately 40 feet long, was reported sinking and releasing diesel fuel. Report came from DOCARE on scene. Owner, Chester Pahia (telephone number 247-1275) could not be contacted at first. PENCO was contracted by SOSC starting 1300 to conduct response actions, primarily determining capacity of diesel fuel tank, and other oil on board. Owner arrived at approximately 1500. Letter of interest given and owner was given information regarding cost recovery. Contractor response actions on scene terminated at 1600. Plan by owner is to dry dock the boat.								
20010122-1251 1/22/2001	DRILL DRILL Lube Oil spill	860 miles from Honolulu		96814	DRILL DRILL Bulk carrier "Endless" had a lube oil spill from the portside air vent for the setting tank. DRILL	DRILL	DRILL DRILL None	Unknown	40 liters
		Honolulu	Oahu					Ocean	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010122-1510	Ewa Pump 15 Transformer Vandalization	Old Farrington Hwy		96707	Transformer was vandalized. 2/22/01 Written; Oil from electrical transformer (non-PCB) spilled on the concrete and soil when transformer vandalized.		Written: Campbell did containment and clean-up, same day of release. Transformer and oil contained in 80-gal overpack drum. Oil on concrete pad absorbed and contained in 55-gal drums. Five tons of soil excavated, stored in drums on-site. Sample taken.	Diesel Fuel	25 Gallons
1/22/2001		Kapolei	Oahu					Soil, concrete	25 Gallons
Property owner is Estate of James Campbell, Bert Hatten 674-6674. Vandalism occurred over the weekend a crew is began woking on the site on Monday following discovery. Sampling to identify oil in transformer. Will excavate contaminated soil to below RBCA.									
20010123-1536	Diesel found in a utility	10th Ave & Harding Ave		96816	free product of diesel discovered upon opening a utility manhole; (service station a block away). Conducted removal.		Notification only. Awaiting for a written notification. Written 3/1/01: Oily water & petroleum solids removed & disposed, Unitek Solvent Services. Pictures with report. Expenses paid by Verizon	Diesel	1060 gal
1/23/2001		Honolulu	Oahu					Soil	
20010124-0755	Gray sheen reported in area of Slip 700 at Keehi Boat Harbor	Keehi Boat Harbor			Reported sheen, gray in color		Notified the U. S. Coast Guard who will investigate.	Unknown	
1/24/2001		Honolulu	Oahu						
1/24 0905: Receive a call from the Tannon of the USCG: Found a boat where bilgewater was spilling, releasing diesel and water. USCG lead. No further action at this time.									
20010124-1625	Milky white water pooling in Makalapa Crater storm water canal	behind CINCPACFLEET Headquarters			. Reportedly occurred on 1/19 and twice previously.	unknown	Requested analytical results from the Navy who had taken samples on	Unknown	
1/24/2001		Pearl Harbor	Oahu					Stream	

Referral to DOH Clean Water Branch and DOT Highways, requesting storm water drain plans. 1/25/01 0930: spoke with Cynthia Pang who said that the pond is clear at this time.

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street		County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City	Island	ZIP					
20010126-0800	Building 1633-- Pearl Harbor	Pearl Harbor		96818	Air relief valve of Bow system failed and released diesel (bilge oily water). Written 2/13/01 Air relief valve had a faulty seal due to debris in the	Equipment failure	Bow system shut down, valve repaired. Contaminated soil removed. Written 2/13/01 valve secured, absorbents placed. Contaminated soil has been removed.	JP-5 & Diesel fuel mixture	50 gal
1/26/2001		Honolulu	Oahu					Asphalt/soil	
20010126-1427	Offshore Lahaina--Raw Sewage	Offshore Lahaina		96761	Discharging material from the vessel.		None	Sewage	
1/26/2001		Lahaina	Maui					Ocean	
20010126-1640	Letter with suspicious contents	236 Jack Ln		96817	Letter with suspicious contents sent to house in mailbox.	Unknown	Hazmat bagged envelope/letter. Letter sent to Navy's EPMU-6 lab for testing. Results were negative.	Unknown	
1/26/2001		Honolulu	Oahu					Mailbox	
20010127-1000	Hawaiian Duragreen	Puunene Avenue		96784	Hydraulic line broke.		Contained and cleaned up spill.	Hydraulic Oil	50 gals
1/27/2001		Puunene	Maui					Concrete	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ	
RIs Date	Location	City	Island	ZIP					
20010128-0600	T/V Overseas Chicago North Slope Crude Oil Spill-SPM	Single Bouy Mooring Barbers Point Harbor		96707	The Tank Vessel Overseas Chicago moored at the Barbers Point Offshore Single Point Mooring spilled approx. 15 to 20 bbls of North Slope Crude Oil into the ocean after a coupling failed at the floating transfer hose during oil transfer operations.	Faulty hose coupling	USCG, SOSC, Tesoro reps established unified command at Clean Islands Council, Sand Island Access Rd. initiated immediate response actions implementing the Regional Oil Spill Response Plan. Written 2/27/01.	North Slope Crude Oil	15 to 20
1/28/2001		Ewa Beach	Oahu				Ocean	0	
<p>The Tank Vessel Overseas Chicago moored at the Barbers Point Offshore Single Point Mooring spilled approx. 15 to 20 bbls of North Slope Crude Oil into the ocean after a coupling failed at the floating transfer hose during oil transfer operations. USCG, SOSC, Tesoro reps established Unified Command at Clean Islands Council, Sand Island Access Rd. , initiated immediate response actions implementing the Regional Oil Spill Response Plan. FOSC, SOSC and Tesoro Response Personnel began on water recovery of spilled oil, beach impact survey teams dispatched, overflights initiated as well as response oil recovery vessels underway to recover oil patches at sea. The response effort continued for one week. 2/1-2/01: Beach Survey teams arrived on Kauai for pre-oil impact inspection of potential shorelines. David Hoffman, Kim Beasley, DC Carter, Greg Bolyard, and Liz Galvez comprised the beach survey team. Shorelines inspected: 1) Ahukini (Kamilo Point) 2) Outrigger (Nukolii) 3) Waialua Golf Course 4) Fuji Beach ("Baby Beach") 5) Anahola Beach, and 6) Kipu Kai. There was no impact observed from the Sunday (1/28) spill. Insignificant number of tar balls, clearly weathered, were observed. 2/8 - 9/01: Team comprised of David Hoffman, Kim Beasley, DC Carter, Greg Bolyard, and Liz Galvez surveyed the same shoreline covered last week. Shorelines inspected: 1) Ahukini (Kamilo Point) 2) Outrigger (Nukolii) 3) Waialua Golf Course 4) Fuji Beach ("Baby Beach") 5) Anahola Beach, and 6) Kipu Kai. No impact from the 1/28/01 spill observed. 2/10/01: Oiled albatross observed in the Kilauea Wildlife Refuge on Kauai. 2/12/01: Regarding three oiled albatross observed - obtaining feather samples pending.</p>									
20010130-0843	Unknown sheen 555197	Honolulu Harbor		96819	Unknown sheen.	Unknown	None, dissipate naturally.	Unknown	
1/30/2001		Honolulu	Oahu				Ocean		
20010130-0845	Cabo Boeing 747 100 - Registration 5N-JJJ jet fuel	Honolulu International Airport			50 - 60 gallon jet fuel spill during refueling by Airport Group International.		Ensured that RP was cleaning appropriate with use of absorbent pads and vermiculite.	Jet Fuel	50 - 60 gallons
1/30/2001		Honolulu	Oahu				Concrete		

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010131-1202 1/31/2001	Car - Maalaea Harbor			96793	Passenger car was inadvertently driven into the Maalaea Harbor spilling gasoline from car's fuel tank.	Human error	Lt. Forbes, USCG - MSD Maui made call to NRC.	Gasoline Water	5
		Wailuku	Maui						
20010131-1617 1/31/2001	HECO Pipeline Leak - Waiau Facility	475 Kamehameha Hwy		96782	Fuel pipeline leak noticed during inspection on 1/30/01. Leak started from pinhole size; hole got bigger during repair service. Place: Waiau Facility Berm. Oil and contaminated soil cleanup performed by PSI. Est. 25 gallon threshold.	Pipeline leak	Mr. Tomita stated he will submit a followup written report. Written 4/10/01 Monitoring wells tested, recovery system to be installed. Contaminated soil excavated & disposed. Line will not be reburied. Picture of tank.	Oil Soil	25
		Honolulu	Oahu						
<p>2/28/01 1210 hours: L. Galvez spoke with Kirk Tomita regarding the spill. Fuel transfer pipeline which runs underneath an earthen dike had a pinhole leak. Leak was first detected when one of the operators noticed oil seeping out of the dike. What initially was estimated as a spill meeting the 25 gallon reportable quantity is now estimated to be between 5 - 10 barrels (200 - 400 gallons). To date, an estimated 300 tons of soil (contaminated and non-contaminated) have been excavated and disposed of at the Waimanalo landfill. HECO's plan is to conduct soil borings to determine extent of lateral contamination. HECO's ponds and the harbor are being monitored for sheen as a result of this spill; to date, there has been none. SOSOC has requested a waste profile of the disposed soil and an incident action plan. Site visit to be conducted.</p>									
20010131-2026 1/31/2001	Washing boat with degreaser/deod orizer	Pier 35 Honolulu Harbor		96817	Caller is reporting a private citizen washing off a boat with chemicals and washing it into the Coast Guard, (we assume water).		None. Caller is upset that the Coast Guard is not responding and did not issue a ticket.	Unknown Ocean	
		Honolulu	Oahu						

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010201-1400 2/1/2001	Domestic Commercial Fishing Village Oil Release- Construction Excavation - Line 6	Piers 36-38 Honolulu Harbor	Oahu	96817	Ken Beal notified HEER of a light brown oil leaching into an excavation (line 6 - pending rebar & cement ops for future building foundation) at the Domestic Commercial Fishing Village construction site, Pier-36, Honolulu, Harbor. DOT/HARBORS Waterfront Imp	leaching	SOSC, Ken Beal, Construction Contractors Supervisors, DOT-Harbors Site Engineer responded, completed two directional excavations in and attempt to locate a source, possible UST or old	Light brown oil - Vegetable - Cooking oil ? Groundwater	less than 25
<p>SOSC, Ken Beal, Construction Contractors Supervisors, DOT-Harbors Site Engineer responded, completed two directional excavations in and attempt to locate a source, possible UST or old pipeline? A source could not be found, yet a photo of the spill area shows slug of sand which appears faintly like the shape of a small UST. Also several broken sections of old cast iron pipe was discovered in the immediate vicinity. Ken Beal conducted a cleanup of the affected soils within the excavation. Further investigation via excavation revealed no other possible sources nor has the trench recharged with oil since the initial spill sighting.</p>									
20010202-0851 2/2/2001	Swale stream	Makalapa Housing area	Oahu	96701	White cloudy liquid observed in "swale" again. No pesticide or solvent odors detected.	Unknown	None	Unknown water	
20010202-0955 2/2/2001	Pacific Poultry tank closure	1804 Kananui St	Oahu	96819	500 gal tank, diesel. Test show contaminated soil. Tank closure for slaughterhouse.	Unknown	Written should follow.	Diesel Fuel Soil	Unknown
20010204-0909 2/4/2001	Lihue Sewage Treatment Plant - Treated Effluent Release	Kauai City and County	Kauai	96766	Approx. 170,000 gals of treated sewage effluent spilled from a ruptured recirculation line, flooding a nearby golf course. Kauai C&C responded, repaired the line break. The treated sewage effluent dissipated into the ground.	Ruptured recirculation line	SOSC noted the release for spill data, The treated water never entered a stream, ocean, etc. Minimal damage caused to the affected golf course.	treated sewage effluent Soil	170,000
<p>SOSC received notification via hospitals dispatch, noted the release for spill data, The treated water never entered a stream, ocean, etc. Minimal flooding damage caused to the affected golf course.</p>									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010204-1240 2/4/2001	Six 55-Gals drum dumping	86-337 Mailiili Rd Maili	 Oahu	96792	HAZMAT#2 responded to six 55 gals drums abandoned at 86-337 Mailiili Rd. Two of the six drums were leaking what appeared to be waste oil. All the drums were layed over on their sides.	Fugitive	SOSC notified PENCO, Drums were righted via HAZMAT, PENCO recovered the drums and excavated oil'd soil from the spill. Drums pending sampling, then profile for proper disposal of contents.	Waste oil Soil	360 25 gals.
SOSC received spill notification via hospitals dispatch from HAZMAT #2 - Yonomura, 226-1895, HAZMAT #2 righted the layed over drums, two had spilled onto the soil. SOSC contracted PENCO to respond, and remove the drums and contaminated soil pending proper disposal after contents identified via lab analysis. Suspect liquid contents to be waste oil-automotive.									
20010205-0901 2/5/2001	Pearl Harbor 9250 Lube oil Spill	Small Boat Piers, NAVBAS Pearl Harbor Pearl Harbor	 Oahu	96818	Master Chief Tupuola notified HEER, 2-3 Gals. Of Lubricating Oil-Mil Spec 9250 spilled into Pearl Harbor at the Smallboat pier adajacent to the Admirals yacht during routine maintainance ops.	Human error	SOSC notified, U.S. Navy Oil Response Team responded,spill contained and oil removed via sorbents	Lube Oil - 9250 Ocean	3 0
Master Chief Tupuola notified HEER, 2-3 Gals. Of Lubricating Oil-Mil Spec 9250 spilled into Pearl Harbor at the Smallboat pier adajacent to the Admirals yacht during routine maintainance ops SOSC notified, U.S. Navy Oil Response Team responded, spill contained and oil removed viora sorbents. Sorbents properly disposed of.									
20010205-1040 2/5/2001	CINCPACFLT BOATHOUSE	BLDG 23 Pearl Harbor	 Oahu	96860	Buckets of oil fell into water while being pumped from the engines to the containers from the boat to the pier. Felise Tupuolo, US CINCPACFLT, (808)47-8409 reported incident to NRC.			Mtor Oil Water	3 3
20010205-1725 2/5/2001	Diesel Fuel dumped in storm drain.	Crosses Akumu Street Kailua	 Oahu	96734	Someone dumped Diesel fuel into a nearby storm drain.	unknown	None	Unknown Storm Drain	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ	
20010208-0950 2/8/2001	Sheen Kewalo Basin 556143	Slip T Kewalo	Honolulu	Oahu	96814	MSO Honolulu is relaying a report received by Group Honolulu ISC from the reporting party of a 200 to 300 sq ft sheen at Kewalo Basin.	Unknown	MSO Honolulu is investigating. The sheen appears unrecoverable, so natural dispersion will be allowed to take place.	Diesel Ocean	
20010208-1010 2/8/2001	Unknown sheen 556146	4 Sand Island Access Rd	Honolulu	Oahu	96819	Unknown sheen. Between 300 and 400 pier.	Unknown	None	Unknown Oil Ocean	
20010208-2215 2/8/2001	Leaking container - Pier 52 Matson Navigation Co.	Pier 52 Honolulu Harbor	Honolulu	Oahu	96819	SS Matsonia had a release of Sulfuric Acid from a 200 lb coantainer on board the vessel due to an unknown cause.	Unknown	Unable to reach the caller. Requested another SOSOC to follow-up the next day. NRC: Container has been moved to the pier on a piece of plastic. Hazmat team is en route.	Sulfuric Acid Deck of vessel	200 lb
20010209-1228 2/9/2001	Unknown sheen 556286	Pier 18 Honolulu Harbor	Honolulu	Oahu	96717	Unknown sheen at pier 18. Appears to be coming from pier 16-17 area,	Unknown	Not feasible for cleanup. MSO Honolulu	Unknown Ocean	
20010209-1328 2/9/2001	Vessel on fire, sinking	Mala Wharf	Lahaina	Maui	96761	Vessel catching on fire and causing the vessel to sink and release material into the water.	Unknown	The owner is planning on moving the whole vessel from the water.	Gasoline, Unleaded Ocean	1 gal gas, 1 pint oil

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010209-1752	Sunken training F/V Ehime	9 miles south off Diamond Head			Sunken fishing vessel containing 40,000 gallons of diesel oil	accidental collision with U.S. Navy submarine Greeneville		Unknown	
2/9/2001			Oahu					Ocean	
<p>2/9/01: Incident occurred at 1345 hours. 191 ft. F/V sunk N 21 03; W 157 51. Total of 35 people aboard, 26 rescued, and 9 remain to be rescued. No clean-up efforts at this time since it is still a search and rescue effort. 1929 hours: SOSOC received a call from Jeff Walters, co-manager for the humpback whale sanctuary voicing his concern that the sinking occurred just outside the sanctuary with the diesel from the vessel potentially harming the humpbacks. 2/10/01 0815 hours: At about 15 hours, trajectory model indicating that there is a small potential for the diesel to hit Barber's Point. F/V sank in 18,000 feet of water. Streak currently about 2 -4 miles long, headed SW W. Trajectory from NOAA to be obtained later. 0910 hours: Helicopter overflight indicating that the streak is about 4 miles long, 1/2 mile streak wide, still heading W SW. Sheen is rainbow on the outer edges and dark in the middle, indicating that the diesel is still purging from the source. Diesel is headed parallel to the coast with no apparent trajectory of impact. 1450 hours: Sheen observed to be 8 miles long and 1/2 mile wide heading 270 - 280 due W slightly N. All indication that vessel is still purging diesel. No impact zone. 2/11/01 0952: Diesel is still bubbling from the source. Eastern edge: 21 05.0 N, 157 49.7 W; western edge: 21 07.2 N, 157 51.7 W. Sheen is crescent-shaped, observed as dissipating with more patches.</p>									
20010211-0745	Unitek granulated tire pile fire	91-125 Kaomi Loop			Tire pile fire		Site visit conducted.	Unknown	
2/11/2001			Oahu						
<p>2/11/01: Arrived on site at 0851 a.m. Fire was extinguished and the Fire Dept had left. Spoke with Blane Yamagata, owner. No operational activities were on-going at the facility when the fire was reported by AES to the Fire Dept at approximately 0650. The fire started from the top of the fire, burning part of the conveyor belt. Approximately 3,000 to 4,000 gallons of fighting firewater was used. The facility is surrounded by a concrete fence with barb wires on top and is completely lined with asphalt.</p>									
20010211-1040	HECO Transformer 22299 (Vault 1165) spill	Waiiau Power Plant		96797	3-phase transformer fell from a truck in the HECO Waiiau facility, releasing transformer oil. Area contained with boom. Cleanup on the way, amount not determined, but greater than 25 gal.		Site visit conducted	Non PCB mineral oil	260
2/11/2001		Pearl City	Oahu					Asphalt	
<p>Initial response actions were observed being conducted. Transformer oil tested to be non-PCB. Revised written notification received 7/3/01. Contaminated soil discovered and</p>									
20010211-1526	Abandoned drums off Mahinaau Street	Mahinaau St			4 x 55 gallon red metal drums and 2 x 16 gallon metal drums abandoned on the side of the road.		Site visit conducted on 2/12/01	Unknown	
2/11/2001		Waianae	Oahu						
<p>Contracted with PENCO to conduct removal actions. Samples taken to UH. Results indicate the contents of the drums as waste oil.</p>									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010212-1500 2/12/2001	Gas leak at 938 Kapahulu Avenue	938 Kapahulu Ave, #103	Oahu		Reported leaking underground gas line		Spoke to landlord.	Unknown	
<p>Landlord, Mrs. Himuro, said that she has already hired a plumber to correct the problem; work will be done on 2/14. Requested landlord to contact the tenant to provide the information and to call the SOSC once the work is finished. 2/15/01: SOSC spoke with both landlord and tenant - the lines have been replaced; gas is no longer leaking. No further action at this time.</p>									
20010212-1530 2/12/2001	BWS Waipahu Depot Street 12-inch water main project	between Haakoa PI and Honolulu Police Academy on Waipahu Depot St	Oahu		On January 12, 2001, a slight sheen of petroleum product was observed.		Late notification. Sample was taken.	Unknown	
20010213-0730 2/13/2001	47-801 Kamakoi Place garden shed	47-801 Kamakoi PI	Oahu		Fire in a garden shed; shed contained fungicides,		Site visit conducted	Unknown	
<p>Owner: Mr. Takeo Sato. Telephone number: 239-8456. Address: 47-801 Kamakoi Place. According to Mr. and Mrs. Sato, they are commercial anthurium growers. Fire was reported to the Fire Dept. at approximately 5:00 a.m. Chemicals that they said they had in storage: 1) Volck oil (about 4 gallons), purchased from United Horticulture; 2) Diazinon - about 1 case or about 20 - 30 pounds; 3) Captan (1/2 case or about 15 pounds) 4) MagAmp, a fertilizer (10-30-10) - about 50 pounds; 5) Antene - 2 x 8 oz. Cans 6) Round-up - 1 - 2 gallons left; 7) gas - 2 x 5 gallon cans; 8) few spray can paints. As far as decontamination of the firefighting water hoses, it was recommended to the HazMat that a mixture of household bleach, baking soda, and water. The alternative is to wash with soap and water at least 3 more times. Owner was told that DOH would be back to take a soil sample for analysis to determine contamination. 2/20 : Samples collected.</p>									
20010213-0930 2/13/2001	Truck rollover fuel spill	Upper Maalea hauler road adj to field 902	Maui	96784	Dump truck rolled over on 2/12/01 at night. 35 gal of Diesel and motor oil. Written 2/28/01 Release was on "Upper Maalea" hauler road adj to field 902. One mile south of Puunene Sugar Mill. Spill on asphalt & soil on shoulder of road.	Truck accident	Spill response team on site. Store than do bio-remediation. Written 2/28/01 Deployed absorbants, soaked up with absorbants and bagasse. Contaminated soil was excavated. Soil detoxified in bio-remediaton facility. Absorbants/bagasse burned for energy	Diesel Fuel and motor oil	35 gal
								Asphalt, soil	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010213-1705 2/13/2001	Army Blackhawk crash	Kahuku (Army) Training Area	Oahu	96731	Two (2) Army Blackhawk helicopters crashed. One helicopter crashed onto a Humvee vehicle. Six (6) dead, 11 survivors from incident. No fire reported. One helicopter fuel tank in tack, other helicopter ruptured.		None, cleanup will start after crash investigation is complete.	JP-8 soil/gravel	75 heli, 15 Humvee
20010213-1758 2/13/2001	Vessel taking on water	1651 Ala Moana Blvd	Oahu	96815	Material is releasing out of the vessel due to vessel taking on water in the slip.	Unknown	None, can not reach back of vessel to deploy boom.	Diesel Ocean	
20010217-1147 2/17/2001	Big Island Oil Spill		Hawaii				Contacted Steve Okoji to investigate. Steve reported quantity spilled is one (1) gal. Names provided: Tammy Afong & Bill Volkof. Also, mentioned of once a year dumping of 3-4 quarts of	Unknown	
20010219-1119 2/19/2001	Sheen from sunken craft	Keehi Boat Harbor	Oahu	96819	Pleasure craft sunk and is producing a sheen in the Keehi Lagoon.	Unknown	Booms applied, absorbents applied. Cleanup underway.	Diesel Ocean	3 gal
20010219-1548 2/19/2001	Kunia Road	Kunia	Oahu	96759	Oil spill of 3 50-gallon drums between Kunia Road & Kunia Camp & HI Country Club.			Oil Soil	3

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City Island	ZIP					
20010220-1725	Air Service Corp.	90 Nakolo Pl	96819	Fuel spill & airport.			Jet Fuel	25
2/20/2001		Honolulu Oahu					Asphalt	
20010221-1324	DRILL DRILL Kawaihae Harbor Diesel spill	Pier 1 Kawaihae Harbor	96738	DRILL DRILL tank barge/split transfer line.	Equipment failure	Deploying booms and skimming equipment. DRILL DRILL	Diesel Fuel	5 barrels
2/21/2001		Kawaihae Hawaii					Ocean	
20010222-1345	Pohakuloa Mil. Trng Area	Bldg. T-273		Diesel fuel spill discovered during routine inspection. Spill occurred sometime during the weekend of 1/19-20/01. Approx. 20 gallons was released. Cleanup conducted 1/22/01 & soil (7 cu yd) stockpile for disposal.			Unknown	20
2/22/2001		Hawaii					Soil	
Late reporting due to uncertainty by PRP. Responsible party: Marine Corp Kaneohe. POC: Gunnery Sgt Leighton Foreman, 257-2089. Written follow up to follow.								
20010222-1400	Cruise ships using phosphoric acid at Honolulu Harbor	Honolulu Harbor		Complainant reported cruise ships staff using Ospho, phosphoric acid, to clean outside of ships, dripping into harbor waters.		Referred to Clean Water Branch who will refer incident back to Dept. of Transportation, Harbors Division, who have the capability to enforce Harbor rules.	Phosphoric	
2/22/2001		Honolulu Oahu						
No further action at this time. Referral back to State Department of Transportation which has their own enforcement capabilities.								

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010223-1213 2/23/2001	Matson Navigation Co.	Pier 52 Honolulu Harbor		96808	Container on a truck was leaking material on his company's terminal @ Pier 52, just inside of Matson gate. Suspected Responsible Party: Willy Leong, Viking Freight (808) 833-8030		PENCO responded w/USCG; opened container to determine content. Material spilled onto ground and evaporated.	Paint Thinner Ground	5
20010223-1409 2/23/2001	Kauai AMFAC Sugar Mill - Truck Spill			96752	Three transformer fell of truck during transportation and oil spilled onto roadway. Emergency response made and cleanup conducted using absorbants; soil was excavated. Test for PCB showed less than ppb. No stormdrain involved.	Transformers falling off of truck during transportation		Transformer Oil Soil	200-250
Incident occurred on State Lease Land. Clean up, disposal activities & confirmation soil sampling completed.									
20010224-1534 2/24/2001	Jet Fuel Spill 557767	Hard Stand Three Honolulu International		96818	Material released out of aircraft's fuel tank due to an over flow.	Operator Error		Jet Fuel JP-8 Concrete	125 gal
20010225-1231 2/25/2001	Wharf Road & Beach Place gasoline spill	Wharf Road & Beach Place		96748	Conducting barge transfer from barge to terminal due to pin hole in pipeline. Written 3/9/01 Released into ground during barge transfer. Removal & repairs of pipeline and area monitored for leaks that may occur. Testing to be done.	Equipment failure	Shut down operations investigated and place repair patch around leak. Used sorbents to clean up spill.	Gasoline, Unleaded Concrete	5 gal

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010226-0845 2/26/2001	Island Petroleum Inc. gasoline from a pipeline	Molokai Barge harbor			gasoline release while conducting a pipeline transfer from a barge to facility - cause: pinhole leak.		Notification only.	Gasoline	10 gallons
			Molokai					Sand	
<p>Caller tried to notify yesterday but did not have the current number. SOSC provided current telephone number for notification after-hours. Caller also said that the section of the pipeline where the leak occurred is where the 6" line reduces to a 4" line. Section of the pipeline will be replaced. Rest of the line have been replaced 4 years ago, with annual hydrotest conducted annually (April). Written notification to be submitted (notification guideline faxed at 553-4451).</p>									
20010226-1801 2/26/2001	Sheen Pier 25 Pearl Harbor 557959	Pier 25 Inner		96782	Caller discovered a unknown sheen in the inner harbor.	Unknown	Absorbents applied, material contained. Cleanup completed.	Unknown	Unknown
		Honolulu	Oahu					Inner harbor	
20010228-0950 2/28/2001	Palolo Stream behind St. Louis Mamiya Theater turning fluorescent green				dye-pack thrown in the stream		Referred to Clean Water Branch.	Unknown	
			Oahu						
<p>No further action. Referral to Clean Water Branch.</p>									
20010228-1538 2/28/2001	Clandestine Drug Lab - 756 University Avenue	756 University Ave			Clandestine drug lab bust		Site visit conducted	Unknown	
		Honolulu	Oahu						
<p>Federal Bureau of Investigation lead. Flasks of white powder and blue powder; 6 jars of glass containers thought to contain methamphetamine oil, and other substances.</p>									
20010228-1618 2/28/2001	Johnston Atoll Tow boat spill	Johnston Atoll APO 96558			Valve failed on a tug vessel causing Diesel fuel to spill from the vessel's storage tank into the Pacific Ocean.	Equipment failure	Booms, absorbents applied. Material contained, cleaned up underway.	Diesel Fuel	30 gal
			Johnsto n A					Ocean	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010301-1231 3/1/2001	CSX Reliance	Pier 51A Harbor	Honolulu	Oahu 96819	Caller reporting material releasing out of a container on vessel deck due to unknown causes.	Unknown		Caustic Alkalai Liquid Ocean	Unknown
20010302-1315 3/2/2001	Suspicious Blue box	54-178 Kawaeku St	Hauula	Oahu 96717	Suspicious box received in mail. Police is treating as biological threat. Blue box size= 4" x 6". Perfume odor coming from box.	Unknown	Hazmat 1 responding on scene. Lt. Lima (HPD) 529-3364, filling in for Capt. Epstein. Rebecca Sciulli (State Lab) notified. NEPMU6 on standby (Dr. Lebron), FBI never approved sample sent to State Lab(DOH). PENCO hired for transport.	Unknown	
20010306-0730 3/6/2001	West Coast Cleaning & Preservation, Inc. Truck 130 TPD spill	2688 Kikihau St		Oahu	Pump truck with 1200 gallon capacity reported spilling contents of 750 gallons of bilgewater onto the street, leading to a storm drain, into a canal which feeds into Moanalua Stream.		Site visit conducted. Notified the USCG MSO (Greg Bolyard, Tim Macon, Letter), Clean Water Branch (Paul Nielsen, Scott Miyashiro) , Hazardous Waste Branch (Tom Brand, Lois	Unknown	

3/7/01: On 3/6/01, 0705, SOSC received a call from the Honolulu Fire Dispatch (Britt) about a tanker truck spilling contents onto the street. SOSC arrived on site at 0715: location: 2688 Kilihou Street. Source of the spill is from an opened valve of a blue tanker truck, License No. 130 TPD, labeled West Coast Cleaning & Preservation, Inc. ph. 682-8555. Estimated total capacity of the tanker truck is 1200 gallons. Approximately 150 yards away is a storm drain. Honolulu Fire Dept. personnel had placed sorbent material to stop the flow from entering the storm drain. According to the Fire HazMat Captain Wally Oda, the Battalion Chief had been in contact with West Coast staff and had already contacted PENCO to conduct the cleanup. SOSC telephoned Teal Cross of PENCO to inquire about PENCO's estimated time of arrival; PENCO had not yet been contacted. This information was relayed to the HFD; subsequently, a phone call by Captain Oda to West Coast led to West Coast calling PENCO. It appeared that the valve was opened; the valve did not have a lock. SOSC observed footprints starting behind the back of the pumper truck (by the valve), crossing the street, and leading to a trash bin. West Coast staff arrived on site at approximately 0745 (Daniel Barragan, Rafael Obieta, and the driver). The driver, Armando Ruiz, said that the tanker truck was left at Pier 20 since Friday because Philips Services, was closed. On Monday, 3/5, the truck stalled because the injectors were broken. Since there was no mechanic, the truck was left at Kilihou St. since 1300 - 1400 hours. The key was left in the ignition. The source of the contents of the truck is from Pacific Cruises. When SOSC asked what were the contents of the truck. Daniel Barragan said that it contained "used oil". When asked again, he said "oily water". When asked a third time, he said "bilgewater" A copy of the profile was requested. Armando Ruiz said that a chlor-d-tect was done; results were <100 ppm halogens. Results of the Chlor-d-tect twice done by PENCO indicated over 2500 ppm the first time and 2700 - 2800 ppm the second time. Sample taken to E.L. Pacific. It was observed that the oil had gone into the storm drain, to a canal which feeds into Moanalua Stream. Booms and sorbent sweeps were placed upgradient and downgradient of the outfall, and prior to the canal entering Moanalua Stream. Low tide occurred at about 0900. Letter of interest faxed to Daniel Barragan ((808- 682-9555). Police report by D. Kaawa, Report No. 01 089-601 - incident is referred to as criminal tampering. Follow-up to be conducted. Other responders: Keith Lima, HPD (808) 529-3264)

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010306-1042	Transformer #T263 spill	68-1798 Laie St		96738	Leak from rust-decayed transformer housing, 15 gal. Soil immediately adjacent to transformer pad impacted. Spill not cleanup within 72 hrs. Written sent in.	Equipment failure	Petroleum contaminated soil was removed, replaced with clean soil. Cleanup completed 2/13/01, 1000 hrs.	Shell Diala Oil	15 gal
3/6/2001		Waikaloa	Oahu					Soil	
20010306-1356	Pioneer Mill Co. (AMFAC Land Co.)	380 Lahainaluna		96761	Fuel overspilling noticed during UST excavation. Soil treated on site. Removal date 2/13/01. Questions may be directed to John Highim, AMFAC Land Co., at 543-8929.	Over spill		Diesel/Bunker Fuel	Unknown
3/6/2001		Lahaina	Maui					Soil	
20010306-1450	Hawaiian C&S Field 763	PO Box 266		96784	Four 55-gall drums reported dumped in sugar cane field. Drums are sealed. Caller plans to open drums to ID material; drums to be hauled away pending ID of material on	Fugitive	Notification only - RP was going to conduct removal	Thinner 325	400
3/6/2001		Puunene	Maui					Soil	
Sean O'Keefe, Hawaiian C&S notified NRC 3.6.01. Phone No. (808 877-2859. Written notification received 3/9/01. See report for more informations.									
20010307-1645	Alleged illegal dumping of JP-5 down the drain	Hangar 101, Marine Corps Base Hawai'i			Allegation of illegal dumping of approx. 20 gallons of JP-5 down a drain in a men's		Referral to	Unknown	
3/7/2001		Kaneohe	Oahu						
20010308-1756	Aliamanu Marina (Rainbow Marina) fuel dumping	Slip 92		96701	Caller reporting an unknown vessel dumping gas in the	Unknown	None	Gasoline, Unleaded	5 gal
3/8/2001		Honolulu	Oahu					Ocean	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	Island	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010312-1115	Puuwai Momi Housing Complex (260 units) Mercury Spill(s)	Kalaloa St		96825	Mercury spill(s) reported. Children brought mercury back to Puuwai Momi from an abandoned pumphouse containing mercury.	Children brought mercury back to Puuwai Momi from an abandoned pumphouse containing mercury	Site visit was conducted. Provided assistance to the Incident Command (Honolulu Fire Department) until the Dept of Health/HEER assumed command on 3/13/01 at approximately 0300 hours.	Mercury	unknown
3/12/2001		Honolulu	Oahu						1
Ongoing investigation and cleanup. See Incident Action Plans including daily tactical objectives. Incident lasted from March 12, 2001 until April 6, 2001 (26 days). Removal completed. Awaiting cost recovery from Department of Land and Natural Resources.									
20010313-0730	Elemental Mercury	various locations			As a result of the Puuwai Momi mercury spill, Honolulu Fire Department from various stations accepted elemental mercury from homeowners.		Elemental mercury picked up from various Honolulu Fire Stations.	Unknown	
3/13/2001			Oahu						
Mercury in containers were collected by HEER staff and to be disposed of by PENCO.									
20010314-0814	Sheen in Hilo Bay 559579	Hilo Bay		96720	Sheen in Hilo Bay.		None	Unknown	
3/14/2001		Hilo	Hawaii					Ocean	
20010314-0817	Sheen 559579			96720	Unknown sheen reported in Hilo Bay.	Unknown		Unknown	Unknown
3/14/2001		Hilo	Hawaii					Water	
20010314-1112	Sheen in Waiulua Boat Harbor	Waiulua Boat Harbor		96738	Sheen on edge of bank and into bay. Fire dept will take care of it. Report to Jerry Nunogawa by James Weller DLNR. 150 ft long sheen.	Unknown	Trying to find source.	Unknown	
3/14/2001		Waikoloa	Hawaii					Harbor	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	Island	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010315-1016	DRILL DRILL Oil spill Kahului Harbor	Pier 3		96732	DRILL DRILL Caller reported a hose became pinched between a barge and Pier 3 causing hole and release of bunker oil. Under	Unknown	DRILL DRILL Booms, skimmer, and recovery equipment being deployed	Bunker Oil	8
	3/15/2001	Kahului	Maui					Ocean	
20010316-1155	Direx-4 Spill Kahului			96732	Direx-4L spill 5-20 gals.		Maui Fire responded.	Direx-4L	
	3/16/2001	Kahului	Maui					Asphalt	
20010316-1941	AES Hawaii Power Plant			96706	Hawaii Power Plant reported exceedence fro boiler stack over capacity limit. One 6 minute period, slightly abobe limit due to failure in one of compartments in bay filter unit.			Unknown	Unknown
	3/16/2001	Kapolei	Oahu					Air	
20010318-1815	Hale Ekahi St, Waianae, Mercury Spill	86-905 Hale Ekahi St		96792	Child playing with mercury contaminated house, driveway, sidewalk, stormdrain	playing with mercury	Assessment and cleanup with Penco, Hazmat2	Mercury	5 oz
	3/18/2001	Waianae	Oahu					Storm Drain	1lb
<p>Child discovered mercury in pickup truck belonging to family. Played with Hg and contaminated driveway and sidewalk. Hg was tracked into house. Child gave Hg to two neighbor girls who dumped it in stormdrain. SOSC, HPD, and Hazmat found residents to be combative and unresponsive due to use of a substance other than mercury. SOSC made entry into house with Penco and one male resident(mr Michael Thomas) to do assessment with Jerome mercury analyser. Contaminated articles were removed. Storm drain one block away was vacuumed, as was sidewalk and driveway, and pickup truck. Hazmat interviewed the girls and parent and checked for contamination-neg.Source of mercury in pickup truck claimed to be unknown by all parties. Cleanup finished at 0200.</p>									
20010319-0843	Milky liquid into stream by	Manoa Campus		96822	Milky substance coming from drain on Mid Pac side of school. Stopped when they tried to trace. No smell or sheen. Incident happened on 3/16/01 (Friday). Right now nothing happening.	Unknown		Unknown	
	3/19/2001	Honolulu	Oahu					Stream	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010321-1122 3/21/2001	Sentosa Spirit	Anchorage Honolulu	Delta Oahu	96819	Release of oil due to material spraying out of the No. 1 vent for the No. 1 center tank.		Crew doing cleanup on deck. Contract with oil cleanup company (RSC) for spray in water.	Crude Oil boat deck	
20010322-0928 3/22/2001	Pier 34 area sheen	Pier 34 Honolulu	Honolulu Oahu	96817	Leak seems to be coming from under pier. Don't know amount or what it is.	Unknown	No other call.	Unknown Ocean	
20010323-1122 3/23/2001	Non-PCB transformer spill	575 Keolu Dr Kailua	Oahu	96734	Transformer No. 3466 was struck in an automobile accident. The impact damaged the transformer, causing it to leak. Damaged transformer was replaced..Media: Adjacent sidewalk, curbing, & gutter. No oil entered the storm drain.	Auto accident	Crews used absorbents and removed contained soil. Cleanup completed at 10:00 am. No stormdrains, sidewalks, gutters.	Non-PCB oil Asphalt, soil	35 gal
20010324-0851 3/24/2001	OverSeas Chicago	Barbers Point Kapolei	Oahu	96707	Unknown bubbles that are releasing to the surface along side the vessel and do not leave a visible sheen.	Unknown	Secured operations, investigation underway.	Unknown Ocean	
20010324-1052 3/24/2001	F/V Kaimalino diesel spill	Ala Wai Yacht Honolulu	Oahu	96815	Kaimalino released material while fueling.	Unknown	Used sorbent pads to recover the material.	Unknown Ocean	1 quart

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010324-1111 3/24/2001	Ala Wai Sheen 560633	Ala Wai Harbor		96815	Unknown sheen.	Unknown	None	Unknown Ocean	
20010327-0845 3/27/2001	Chevron Refinery Sulfuric Acid leak -0845	91-480 Malakole St		96707	Noticed leak at 8:30 am. Leak in pipes, stop pumping. Leak contained, controlled. No impact, total amount not known, using neutralizer. Called at 10:23 to give amount as 1166 lbs.		Pipes being checked, pipe being repaired.	Sulfuric Acid Soil	1166 lb
See written follow-up notification for more informations.									
20010327-1225 3/27/2001	Wastewater Treatment, City & County				Heptachlor spill from leaking pipeline. Soda ash used neutralize material. Contaminated soil removed from site.	Leaking pipeline	Spill occurred 3/17/01 but not reported until this date. Caller indicated he will submit a written report.	Heptachlor 12% (Bleach)	30-40 gal/1 lb
20010329-0909 3/29/2001	Round-up spraying on a widening road project on Village Park				caller said that there is discoloration and a strong odor from a catch-basin which leads to a drainage ditch where there is approximately 2- 30 gallons of standing water, where Round-up is suspected to have been spilled by Paradise		Referral to Clean Water Branch and to Dept. of Agriculture, Pesticides	Unknown Other	
Clean Water Branch (Scot Miyashiro) conducted a site visit. He was concerned that the surfactant in the water may cause a fish kill. A telephone conversation with Steven Ogata indicated that the spraying was a normal application, (1 - 2 oz./gallon of water). No further action at this time. Pictures included in report.									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City	Island	ZIP				
20010329-1218	Food Science Technology Building UH Manoa	2444 Dole St	96822	24 hour notice, UST closure, trace TPH--Diesel. 650 gal heating UST boiler.	Tank closure		Diesel	
3/29/2001		Honolulu	Oahu				Soil	
20010329-1750	94-124 Pupupuhi St. Apt. 303 mercury spill	94-124 Pupupuhi		Mr. Joe Ryan and Carroll Cox notified SOSOC that there is visible mercury from a unit that has been previously cleaned.	child brought mercury in backpack from Puuwai Momi Housing	Assessment conducted.	Mercury	small
3/29/2001		Waipahu	Oahu				Within Facility	
Assessment conducted on 3/29. Cleanup conducted on 3/30. Clearance conducted on 4/1/01. No further action at this time.								
20010330-1444	Hawaiian Electric Co. - Non-PCB	950 Lehua Ave	96786	Oil leak from transformer housing. HECO pad-mount transformer #33207. Actual release date unknown; duration unknown.	Leaking from rust decaying transformer housing	No incident report made within the 72 hours reporting period.	Non PCB mineral oil	5
3/30/2001		Pearl City	Oahu				Other	
20010330-1706	Aircraft fuel release on landing	Honolulu Int'l	96819	Material released out of aircraft due to aircraft incident upon landing. Aviation gas 20 gal. Damage amount is unknown.	landing	Applied water and foam to material, cleanup has been completed.	Aviation gas	20 gal
3/30/2001		Honolulu	Oahu				Asphalt, land	
20010331-1011	Spill from open bucket on "Tarra"	Pier 21 Honolulu Harbor	96817	Material released out of open five gallon bucket when individual was boarding vessel and slipped causing bucket to fly out of his hands.	Operator Error	Boom applied, absorbents applied, material contained, cleanup crew	2-D	1 gal
3/31/2001		Honolulu	Oahu				Ocean	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street		County	Incident Description	Cause of	Initial Response	Substances	Quantity
RIs Date	Location	City	Island	ZIP		Release		Media	RQ
20010331-1743	Fuel over side of refueling station	Pier B-13		96701	Residual fuel drained over the side, of a refueling station.		Deployed booms and sorbents.	Diesel Fuel	.5 gal
3/31/2001		Honolulu	Oahu					Ocean	
20010402-1529	Unknown material Hotel Pier	Pearl Harbor		96860	Material released out an unknown source due to unknown causes.	Unknow	Facility Response Team on site. Booms applied, absorbents applied, material contained, clean up crew on site.	Unknown	
4/2/2001		Honolulu	Oahu					Ocean	
20010403-0818	Ala Wai Yatch Harbor	1651 Ala Moana Blvd		96815	Unknown vessel leaking diesel oil into Ala Wai Yatch Harbor. Incident discovered 4/1/01 @ 0630 local time. Sheen: 100 ft. X 500 ft.	Unknown	Reporting party: Archie Shelton, Showe Inc., 1739-C Ala Moana Blvd., Hon, HI 96815. Phone Number: 955-5615 RPR	Unknown	Unknown
4/3/2001		Honolulu	Oahu					Water	
20010403-1510	Mercury from Oahu Fire Stations							Unknown	
4/3/2001			Oahu						
20010403-1842	USS Reuben James	Naval Shipyard		96701	Pumping oily waste internally. Tank overflowed out of the	Operator Error	Crew deployed sorbents, boom placed around ship. Pearl Harbor response team on scene.	Oil, Waste	2 gal
4/3/2001		Honolulu	Oahu					Ocean	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	Island	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City		ZIP					
20010404-1018	HMS Regina	Bravo 10 pier		96860	Sheen trailing the vessel while departing the pier. Less than 50 gal.	Unknown	Skimmers being used, booms applied, absorbents applied, material	2-D Marine Diesel	Less than 50 gal
4/4/2001		Honolulu	Oahu					Ocean	
20010406-1022	Air Service Hawaii - Fuel Spill	95 Nakolo Pl		96819	Jet fuel spill occurred when filler cap was opened during transfer from one wing tank to another. Spill clean up completed.	Transferring of jet fuel		Jet Fuel	15
4/6/2001		Honolulu	Oahu					Tarmac	
20010406-1200	US Naval Ship Yard Pier B-1	Pearl Harbor		96860	Redidual oil dripping off of equipment on the USS Columbus (SSN 762). Approx. 0.01 gallon entered into	Oil drip during repairs	Clark Hataishi reported incident for responsible party. Phone No	Hydraulic Oil	0.01
4/6/2001		Honolulu	Oahu					Water	
20010407-0925	Hawaii Transfer - Formalin Release				Respond to formalin release - Hawaii Transfer.	Unknown		Formalin	Unknown
4/7/2001			Oahu					Other	
20010407-1558	Unknown sheen 562197	Ala Wai Boat		96815	Unknown sheen sighting.	Unknown	MSO Honolulu investigators en route.	Unknown	
4/7/2001		Honolulu	Oahu					Ocean	
20010409-1316	HIANG F-15			96853	Fuel spill from cracked fuel line in aircraft.	Cracked fuel line		Jet Fuel JP-8	30
4/9/2001		Hickam	Oahu					Concrete	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010409-1444	Heco Transformer spill #45988	140 Kaulana Way		96821	Rusted housing unit on transformer. Appx 35 gal, non-PCB oil. No stormdrains. Date/time of release unknown. Duration: probably more than 5 days.	Equipment failure	Cleanup completed on 4/01/01	Transmission Oil	35 gal
4/9/2001		Aina Haina	Oahu					Concrete	
20010410-0730	Oil slick mauka of Ala Wai fronting Yacht Harbor Tower	oceanside of 1650 Ala Moana Boulevard			HFD Firefighter Yokoyama called; he received a call from the Police Station regarding an oil slick mauka of the Ala Wai fronting the Yacht Harbor Tower 1650 Ala Moana Blvd. Telephone number 523-4411.		Referral to the US Coast Guard	Unknown	
4/10/2001	Referral to the US Coast Guard.	Honolulu	Oahu		No further action at this time.				
20010410-1615	Mystery Sheen - 562529	1650 Ala Moana Blvd		96815	Reporting party report of mystery sheen mauka of Ala Wai Boat Harbor, Ala Wai Canal.	Unknown	Tim Macon, MSO Honolulu, 433 Ala Moana Blvd, Hon. 96813. Ph. 522-8260 is the reporting	Unknown oil	1
4/10/2001		Honolulu	Oahu					Water	
20010413-0910	Wailoa Clinic Div Waianae Coast Comp Health Center	86-260 Farrington Hwy		96792	Hazmat request: mercury in waianae mall bathroom	broken thermometer	Hazmat reports mercury in mall bathroom	Unknown	small
4/13/2001		Waianae	Oahu		Hazmat 2 requests SOSC help for mercury in Waianae Mall restroom. Penco engaged for cleanup. Meet FD and Penco onsite. Small quantity mercury on tile floor of clinic restroom, with glass fragments from thermometer. Vacuum cleanup/ verification with Lumex. Explanation of 128D and cost recovery to Mr Milo Huempfer, Administrator with letter of Interest. Hazmat had left scene before SOSC arrival. Waianae Fire Captain waiting on scene.				

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010417-0909	Chevron - Tank Overflow	91-480 Malakole St		96707	Fuel spill occurred during transfer of gasoline from delivery truck into internal tank due to overflow of material. No injuries of fire during mishap.	Tank overflow		Gasoline	210 gal
4/17/2001		Kapolei	Oahu					Asphalt	
See written report for further information.									
20010417-1125	Tripler Army Medical Center	Jarrett White Rd		96819	Petroleum discovered during excavation, Jan. 9, 01, of a heating oil UST closure.	Unknown		Hydrocarbon	Unknown
4/17/2001		Honolulu	Oahu					Soil	
20010417-1126	Schofield Barracks			96857	Petroleum discovered during excavation on 1/16-19/01. Substances discovered: PCB, hydrocarbon, & lead.	Unknown			
4/17/2001		Schofield Barracks	Oahu					Soil	
20010417-1508	Kau District Highway Accident - Radioactive Source	Mile marker 15			Geologic Survey Team involved in traffic accident. Outer case of instrument damaged, radioactive source label affixed to same.	traffic accident	Coordination with Noise and Radiation Office.	cesium, americium	
4/17/2001		Ka'u	Hawaii						

Fire dispatch stated that Hilo Hazmat was enroute to traffic accident in Ka'u where geological survey team car was involved. Their instrument case was damaged, and bore a radiation warning. SOSC put dispatch in communication with Mr Russell Takata, Supervisor of Radiation Section. Mr Takata knew the company, the type of source, and the type of secondary containment, and was able to walk Hazmat through an assessment which determined that the containment was not breached. Survey company reported to NRC as well as to Radiation Section DOH.

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	Island	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City		ZIP					
20010418-1225	X-ray film developer spill-Hilo Medical Center	1190 Waianuenue Ave		96720	X-ray film developer chemicals spilled. Containers were in boxes which were on a pallet.		Hazmat Team (county's) separated containers from wet cardboard boxes. Also leaking containers were placed in drums. Hilo Med ctr will reimburse revolving fund for PENCO's response cost. Per Kodak's rep, spilled product should be managed as haz waste.	Unknown	
4/18/2001		Hilo	Hawaii					Concrete	
20010419-1102	Lanikai Elementary	140 Alala St		96734	Strong Malathion odor. Source unknown. Referred to DOA Toxicologist information regarding health effects. Also mentioned 911 Fire for immediate assistance in identifying possible source. Sunny & windy conditions.	Unknown	None.	Unknown	
4/19/2001		Kailua	Oahu					Air	
20010420-1500	HECO Transformer #54254	848 Ala Lilikor St		96818	Transformer oil spill.	Rust decayed transformer housing		Mineral Oil	10
4/20/2001		Salt Lake	Oahu					Soil	
20010420-1501	Waianae Plantation Rd., Abandoned Drums	Waianae Plantation Rd		96792	Transport and dispose of abandoned drums at Waianae Plantaion Rd. Various service dates.			Unknown	
4/20/2001		Waianae	Oahu						

For record entry purpose, a new case no. 20010420-1501 is assigned due DOH case no 20010420-1500 is already entered under a HECO incident.

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010421-0700 4/21/2001	Hawaii Bonsai Culture Center Sewage(Mc Dunough & Sons)	41-909 Mahailuna			Vac trucks dumping sewage reported by neighbor	dumping	Saturday morning call in previous night dumping by vac trucks on Hawaii Bonsai property/ incident terminated	sewage Soil	unk
<p>Neighbor reports vac trucks have set up a storage area on Bonsai property. States that they often arrive on Friday night 1600-1700 and dump chemically treated sewage onto poly tarp supported by horizontal telephone poles. Procedure lasts late into night. Trucks are red and white in color / one lic #TPR 324/ one truck has window permit to Mc Dunough & Sons. One truck has Missouri plate on rear. Storage area for trucks is tarp supported by matson storage containers. Reporter is Ed Ahuna 41-980A Kaikaina St, Waimanalo. Entrance behind and thru Jehovas Witness Church. Home during day.Referred to Wastewater Branch.</p>									
20010423-1105 4/23/2001	KEKAHA Sugar mill	8315 Kekaha Rd		96752	AST leaking over long period of operation discovered by contractor during site cleanup.Used oil from asociated piping in pit on groundwater. Confirmed Release Notification Letter	operations	Absorbants in excavation. Leak is from associated piping and piping goes under slab to operations area.	used oil Groundwater	1000 gal
<p>Brewer Env Services is engaged on site and numerous other Amfac mill sites. Property has been transferred to Amfac Land Co. Tamara Edwards Pres 543-8521 is point of contact(5/8/01). States that Brewer will contact HEER with cleanup plan for AST area which is a subpart of the larger Amfac plan.</p>									
20010423-1404 4/23/2001	Strange smell for the past 4 years	822 Iholena Pl			Resident of 50 years is reporting a strange smell ongoing for the past 4 years. Unable to see any burning. Resident has ruled out a gas leak.		Site visit to be conducted.	Unknown	
20010424-0945 4/24/2001	HECO #26373	1486 S King St		96814	Transformer (#26373) oil spill due to rust-decayed transformer housing. See written notification, dated June 7, 2001. Case number issued on date HEER received from HECO employee.	Leaking transformer	4/27/01 Mel phoned to inform that customers would be notified of outage. To allow replacement of	Unknown Soil	1

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010425-1508 4/25/2001	"American Emerald" diesel #2 spill	Pier 13 Honolulu Harbor	Honolulu	Oahu 96817	Internal fuel transfer, hose ruptured spilling its contents.	Equipment failure	PENCO contained and cleaned up spilled fuel.	Diesel Fuel #2 Ocean	5 gal
20010428-0800 4/28/2001	Sheen sighting 564381	1125B1 Ala Moana Blvd	Honolulu	Oahu 96814	Sheen sighted in harbor.	Unknown	None	Unknown oil Ocean	
20010429-1357 4/29/2001	Bunker fuel spill "Nuuanu"	Barbers Point Harbor Pier 5	Kapolei	Oahu 96707	Equipment failure bunker fuel oil has released from a fuel tank on a barge into Barbers Point Harbor.	Equipment failure	Booms applied, absorbents applied, material	Bunker fuel Ocean	.5 cup
20010429-1459 4/29/2001	Oil on hull "Nuuanu"	Barbers Point Harbor	Kapolei	Oahu 96707	Barge was being pulled away from dock, tug crew saw oil on hull. Boom was redeployed, barge tied up to dock.	Equipment failure	Booms, absorbents applied material contained. Isolated area, clean up, investigation underway.	Fuel Oil #6 Ocean	.1 gal
20010430-1818 4/30/2001	Sheen Honolulu Harbor 564555	ISC Sand Island	Honolulu	Oahu 96819	Unknown sheen discovered by CGC Jarvis.		MSO Honolulu personel responding.	Unknown Ocean	
20010430-2014 4/30/2001	Diesel smell Aloha Tower	Pier 8	Honolulu	Oahu 96813	Caller is reporting a strong diesel smell in the area.	Unknown	None	Unknown Ocean	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City Island	ZIP					
20010502-0857	DRILL MCBH fuel spill	Marine Corp Base Hawaii	96734	DRILL DRILL Release from storage tank of 1.25 million gallons of JP-5 jet fuel.		DRILL DRILL Base has activated incident command system and oil spill response, with spill contractors (PENCO, MARLOG & SUPSALV) on the way.	Jet Fuel JP-5	1.25 million gal
5/2/2001		Kaneohe Oahu Bay					Ocean	
20010503-0944	Sheen 564868	Slip 55-60 Ala Wai Boat Harbor	96815	Sheen sighting.	Unknown	None	Unknown	
5/3/2001		Honolulu Oahu					Ocean	
20010503-1035	DRILL DRILL Split hose 2-D fuel DRILL	Pier 34	96817	DRILL DRILL Split hose from terminal to barge. Hose split on the terminal side. Hose damaged when squeezed between barge and dock.	DRILL	DRILL DRILL Booms applied, skimmers will be used. DRILL DRILL	DRILL	2 barrels
5/3/2001		Honolulu Oahu					Ocean	
20010505-1820	F/V Lihau	Slip 112, Kewalo Basin	96814	Material released from vessel due to overspill.	Overspill		Diesel Fuel	5
5/5/2001		Honolulu Oahu					Water	
Tim Macon, MSO Honolulu made notification to NRC.								
20010507-0935	Maalaea Power Plant - Pipeline Leak	N Kihei Rd	96753	Leak in underground pipeline discovered 8 a.m., 5/7/01. Kirk Tomita called @ 1622 to update: One inch hole is cause of leak. Plan calls for welder to repair hole and removal of soil TBD.	Leaking pipeline		Diesel Fuel #2	Unknown
5/7/2001		Maalaea Maui					Asphalt/Soil	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010508-1124	L&L Drivein	Hoolai St			Restaurant person washing and scraping cooking vessel into gutter/ washing contents and soap into stormdrain	cleaning	Refer to Sanitarians	cooking grease/residue	
5/8/2001		Kailua	Oahu					Storm Drain	
USCG reports on site observation of cook scraping large cylindrical pot into gutter & washing same & soap into stormdrain/ referred same to Sanitarians and faxed to C&C Hono Stormwater quality									
20010508-1551	Kiska	Sand Island Access Rd.		96819	Vessel: Kiska, No. WPD1336. Fuel spill due to overfilling of fuel tank. Incident occurred in Honolulu Harbor.	Overfill		Oil, D-2	20
5/8/2001		Honolulu	Oahu					Water	
20010509-1412	Hawaiian Home Lands	30 - 40 feet from Anahola			abandoned drum containing oily liquid		contacted Roland Likona at 274-3131, left a message to call me back	Unknown	
5/9/2001			Kauai						
According to Gerald Takamura of Kauai DHO, HFD responded to the incident of an abandoned drum, rolled it over so that the drum is no longer leaking, cordoned off the drum and left the scene. Hawaiian Home Lands is the landowner. Contact person: Roland Likona 274-3131. 6/7/01: L. Galvez received a call from Donald Bodine (808) 822-7474, President of the Anahola Homeowners Assn. He noticed that a rusty old 55-gallon drum, located on the river mouth of Anahola Stream (access it via Aliomanu Road (South) - drum is still there. Called Roland Likona at (808) 274-3131 - line is busy. 3:51 Resecure tape around drum. Working with Troy Tanigawa C & C Kauai. Kevin, Leon of Unitek, oil check. 6/15/01 Drum still there. Called Roland Kikona, still not in. Will call on Monday and sent "Letter of Improper Response. 6/18/01 Drum still there. On 6/8/01 last Unitek conversation with Kevin, Unitek will transport after rewrapping. 6/26/01 As of June 22, Unitek presented an invoice, copies of invoice to be sent to DOH. Notified Donald Bodine									
20010513-1450	Honolulu International Airport - Gate 25	300 Rodgers Blvd		96819	Philipines Airline Flt 103 fuel spill during refueling. Aircraft Model: 747	Overspill		JP-5	15
5/13/2001		Honolulu	Oahu					Tarmac	
Neither airline or refueling company claimed responsibility for release.									
20010514-1015	Makakilo Elementary School Round-up				Spraying of Roundup by the City and County Department of Parks and Recreation.		No further action.	Unknown	
5/14/2001			Oahu					Air	
No further action. Spraying is considered a legal application. There were no complaints or health effects reported as a result of the spraying.									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010515-0924 5/15/2001	"IDA" Company - contractor	Pier 8 Honolulu Harbor			Allegations of dumping concrete into water.		Telephone message was not read until 1550. To be referred to Clean Water Branch.	concrete	
		Honolulu	Oahu					Ocean	
No further action at this time.									
20010515-1505 5/15/2001	55-643 Iosepa Street chlorine leak	55-643 Iosepa St			chemicals are leaking		Site Visit conducted.	Unknown	
		Laie	Oahu						
Address (55-643 Iosepa Street) could not be located. However, 55-640 Iosepa Street had approximately 19 chlorox containers (1 gallon size) surrounding its lawn, apparently to ward off dogs from urinating on lawn. Containers are filled with water, not chlorox. No further action at this time.									
20010516-0642 5/16/2001	Unknown Sheen -	Kewalo Dock		96817		Unknown		Unknown	
		Honolulu	Oahu					Water	
20010516-0716 5/16/2001	47-703C Kamehameha Highway	47-703C Kamehameha Hwy			Referral from Solid Waste Office that a needle was found on shore that homeless people were living nearby.		Complainant called; requested her to put the one needle she found in a can with some chlorox and throw it in the trash.	Unknown	
		Kahaluu	Oahu						
No further action at this time.									
20010516-1238 5/16/2001	Mercury in a pipe 91-736 Poloula Street	91-736 Poloula St			Approximately 55 pounds of elemental mercury that is contained reported.		Verified presence of mercury and removed from the premises.	Mercury	
		Ewa Beach	Oahu						
Call received from the Honolulu Fire Department. Keith (381-5622), contractor with Woodco and Meiso, hired by a bank to clean a residential house located at 91-736 Poloula that had undergone foreclosure reported that previous owner was searching for a pipe containing mercury. Keith kept the approx. 12 inch-long by 3 inch-diameter pipe hidden and notified the fire dept. State Letter of Interest given to Coldwell Bank on 5/21/01.									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City Island	ZIP					
20010517-0858	USA-JACADS	POB 468 APO AP9655A		Duct leak.	Duct leak		Scrubber Bryne	16
5/17/2001		Johnsto n A					Ground	
20010517-0912	Hawaiian Electric Co. - 566445	PO Box 2750	96840	Material was released from hydraulic system on a trash truck. See follow up written report submitted by Andrew Keith, HECO, 6/8/01.	Unknown		Hydraulic Oil	3
5/17/2001		Honolulu Oahu					Water/Storm Drain	
Andrew Keith, Hawaiian Elec. Co. is the reporting party. NRC report indicates G.M.I. Is suspected responsible party.								
20010517-1241	Ala Wai Boat Harbor Slot 61 & 62	1651 Ala Moana Blvd	96815	Report of antifreeze possibly being discharged from a vessel.	Unknown	No response made.	Ethylene	1
5/17/2001		Honolulu Oahu					Water	5000
Jason Moyer USCG-MSO - Reporting Party. Suspected RP: Charles Colonto								
20010518-1503	Clean Islands Council -Drill 566625 Drill	179 Sand Island Access Rd	96819	DRILL. 8 barrels released, 2 barrels entered water due to gasket failure on the terminalside of a loading line while a barge was being loaded w/diesel.	Equipment failure		Diesel D-2	8
5/18/2001		Honolulu Oahu					Water	
No action taken. Report is a drill.								
20010518-1900	Hawaiian Electric Transformer/no n PCB	41-566 Hihimanu	96795	oil spilled to soil, HECO	auto collision	Notification only. Updated 6/12/01 by S. Deuz.	Mineral Oil	30
5/18/2001		Waimana Oahu lo					Soil	25gal
6/12/01 spill cleaned up by HECO, oil lab tested found to be non PCB by HECO lab. Incident caused by stolen vehicle chase and collision with pole. Transformer hit the ground and contents spilled.								

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010519-1024 5/19/2001	Tantalus Drive Paint Cans	2304 Tantalus Dr		96813	Tantalus Community Assoc cleanup found 20 paint cans dumped at overlook.	fugitive	DLNR is property owner RP. Inform them of disposal requirement	Unknown Soil	20
<p>Incident classified as not imminent and substantial. DLNR should remove cans during workweek. Community assoc called USCG, HFD, HPD. PD says that DLNR was told by Community Assoc about cans one week previous. PD called County Public Works to pick up cans on that Sat morning. Cans taken to facility yard at 160 Auahi st. DLNR enforcement officer to check cans which have info on job site attached to them. 5/24/01 Examination of paint cans at yard indicates paint co name: Oahu Painting. There is a Oahu Painting and Decorating 94-404 Ukee st Bay A 671-3773 they advertise special coatings as their specialty. The paints found were 20 5 gal and approx same 1 gal . All were urethane or epoxy, and thinner. Most cans part full. Approx 50 gallons remaining in cans. Approx 10 foot square area on Tantalus of impacted soil where cans leaked. Talked to DLNR DOCARE will work with enforcement officer Cindy Nakashima. Land Agent Cecil Santos will determine POC at DLNR.</p>									
20010519-1106 5/19/2001	discharge to stormdrain, white substance	47-396 Kam Hwy		96744	Neighbor reports approx 300 gal paint/water flowing to stormdrain from neighbors house. Drain is 300 yds from Bay.	flushing swimming pool filter	followed path of flow back to 47-404, talked to occupant. Substance was from swimming pool filter. Told him such discharge is illegal.	Diatomaceous Earth Ocean	300 no
<p>Neighbor reported neighbor discharging white paint like material to stormdrain. Site visit indicated drain leads direct ot kaneohe Bay. Origin was flushing of swimming pool filter. Informed resident of illegality of such discharge.</p>									
20010520-0731 5/20/2001	Kaneohe Bay sheen 566733	45-995 Waialele Road		96744	Unknown sheen in Makani Kai Marina.	Unknown	None	Unknown Ocean	
20010520-1930 5/20/2001	Kuhio Beach Park White Substance				Hazmat reports unidentifiable substance in small piles on sidewalk	unknown	Numerous piles of approx 1oz white powder at various locations on sidewalk. Assisted in hazcating of sample.	Unknown Soil	1 no
<p>One oz piles of unidentifiable white powder on sidewalk of beach park. Also chalk signs on sidewalk say US Navy Seals with arrow, and Scenic with arrow. Id at scene not possible, sample submitted to UH lab for id.</p>									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010521-0930 5/21/2001	Chinese Cemetery Weed Killer	385 Auwaio St Hono	Oahu		4 55 gal drums weed killer stored behind caretakers house, old and rusty, possible leak .	storage		Unknown Soil	4 yes
20010521-0950 5/21/2001	Waimea Elem School Science Room Chem Release		Hawaii		Vandalism spill of chemicals over weekend. Teacher tries to cleanup and is overcome, goes to hospital. Hazmat responds.	Vandal spilling of chems	Advise on neutralization, engage DOE Safety Officer Randy Higa	Nitric acid, Potassium Permanganate, Coppre sulfate, sulfuric acid, phenolthalien, po Within Facility	no
<p>School experienced weekend breakin with missing equipt. Science teacher found chemicals in storeroom next to science room were poured out onto floorat 0730. Teacher wiped at chemicals with paper towels and was overcome by fumes requiring transport to hospital. Hazmat responded, found pH of towels to be 1. Chemicals had been put back on shelf, and capped. Hazmat bagged towels and residue, neutralized floor with soda. Randy Higa, DOE Safety officer will send personnel to cleanup and assess chemistry stockroom. Chemicals found on shelf(not necessarily spiled): 1l unk acid dried up to crystals about 1 inch deep, Nitric Acid 70% 1/2 pint, potassium permanganate 1pt bottle crystals, coppre sulfate 2 inches in gallon jar, sulfuric acid 3/4 gallon, calcium sulfate crystal 1 inch in 4oz jar, sulfur 2oz, potassium nitrate 5oz, phenolthalein 150cc, bromthymol blue 4oz.</p>									
20010521-1444 5/21/2001	55 Gallon drum washed ashore	49-139 Kamehameha Hwy Kaneohe	Oahu	56744	55-gallon drum unknown oil has washed up on his beach.	Unknown	Caller pulled drum up onto the beach.	Unknown Ocean	55 gal
20010521-1705 5/21/2001	Ice Lab Material - Maui PD		Maui		Transport and dispose of clandestine lab materials from Maui PD.			Unknown	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010522-0700 5/22/2001	UH Research vessel oil release	1 Sand Island Access Rd	Honolulu Oahu	96819	Released out of University's research vessel due to undetermined cause at this time. Phone call 9:24, 5/22, Pumping oily water into separator some was pumped overboard. Deployed booms, recovery absorbents, disposal.	Unknown	Booms applied, absorbents applied.	Lubricating Oil Ocean	20 gals
20010523-0823 5/23/2001	Coolant spill Wahiawa WWTP	111 California Ave	Wahiawa Oahu	96786	Radiator hose came off generator causing a release of coolant. Bodell Construction Co. is contractor.	Equipment failure	Spill contained, recovery, excavation by hand of contaminated soil. Soil bagged in triple ply garbage bag, (appx. #20).	Unknown Soil	2 gal
20010523-1114 5/23/2001	Clean Island Council "Drill" 5467088	179 Sand Island Rd	Honolulu Oahu	96819	SEE NRC REPORT.			Unknown	
20010525-2105 5/25/2001	Mayor Wrights Housing - Mercury Release		Oahu					Unknown	
20010529-1438 5/29/2001	Illegal Dumping 25-30 Paint Cans	41-363 Saddle City Rd	Waimana Oahu lo	96795	25-30 one gallon paint cans being buried along with a boat and bldg materials. Caller stated, "Sam Sung Developer" is the contractor and Ed Ohta is the site manager.	Fugitive		Paints Soil	25-30

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010531-0731 5/31/2001	DRILL Oil spill Kaunakakai	Kaunakakai Harbor Pier 1		96748	DRILL DRILL Loading hose from barge being unloaded and coupling had oil still inside. DRILL	Operator error	DRILL DRILL Dissipate naturally.	Unknown Ocean	2 barrels
20010531-1911 5/31/2001	Sheen Kaneohe Bay 567946	Makani Kai Marina		96744	Sheen sighting in Kaneohe	Unknown	None	Unknown Ocean	
20010602-0920 6/2/2001	Material leaking from Matson	Pier 52 Honolulu Harbor		96808	Unknown material leaking from a 40 feet shipping container.	Unknown	Contractor has been hired.	Unknown Concrete	
20010603-1025 6/3/2001	Kailua Beach (Fecal Debris)			96734				Unknown Other	
20010604-1531 6/4/2001	Pier 45 Oil	Honolulu Harbor		96819	Unk quantity of used oil leaked alongside Pier 45. Leak occurred during transfer of waste oil internally. Owner: UH; Operator: James Coste, Marine Superintendent, 847-2661	OVBD valvel leaked through skin of ship.		Used oil Ocean	10

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010604-1651	Indium 114 lost by Fed-Ex.	Maui		96793	Radio active material en route to Maui Memorial Medical Center (1.5 Millicuries of Indium 114 : A metallic substance) was lost while traveling through Fed-ex.		Maui Memorial Medical Center notified Chemtrec.	Unknown	
6/4/2001		Wailuku	Maui						
20010607-0937	3412 Paalea St. abandoned paint cans	3412 Paalea St			15 -20 cans of paint abandoned, palletized		Site visit was conducted.	Unknown	
6/7/2001			Oahu						
Materials, considered to be household waste, were located at a City and County of Honolulu owned sidewalk. Telephone conversation with Gerald Takayesu ensued; waste is to be picked up by the City and County of Honolulu Road Maintenance.									
20010607-1755	400 Hana Highway Transformer	400 Hana Highway		96732	Release of oi. Contractor hit a utility pole, knocking pole to the ground. Transformers 9628 & 9669. Contractor using backhoe equipment in a nonrelated construction project struck MECO (first) pole causing it & 2nd pole to fall.	Backhoe equipment struck pole		Shell Diala Oil	50 gallons
6/7/2001		Kahului	Maui					Soil	
Awaiting for written notification. Followup written notification received 7/5/01.									
20010609-1610	Manoa Falls contamination sign	Manoa Falls			Caller requested information about sign posted under Manoa Falls since she washed utensils from contaminated waters and ate with them.		Provided caller information about leptospirosis.	Unknown	
6/9/2001			Oahu						
No further action.									

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010611-0744	Sewage spill - 1423 Emerson Street	1423 Emerson St			Sewage spill started at 0154. Lasted until 0258. Quantity: 40 gallons. Cause: roots. Cleaned, disinfected and deodorized.		Referral to Wastewater Branch.	Unknown	
6/11/2001		Honolulu	Oahu						
No further action for HEER. Referral to DOH Wastewater.									
20010611-0954	Oneula Beach Park 2 x 55-gallon drums	Oneula Beach Park			Reported 2 x 55-gallon drums with unknown contents		Site visit conducted on 6/12/01. Drums have disappeared.	Unknown	
6/11/2001			Oahu						
Site visit conducted on 6/12/01. Drums could not be located. A telephone call to person who notified DOH was made - person observed that the drums had been taken away. No further action at this time.									
20010611-1205	Chemical smell in the Makakilo area	Makakilo area			Two callers (next door neighbors) reported a chemical smell in the Makakilo area. Suspected source: 92-655 Mahane Street, neighbor spraying Malathion.		Recommended to caller that they leave the area and to call 911 if they believe that the smell warrants evacuation.	Unknown	
6/11/2001			Oahu						
No further action at this time.									
20010612-0804	Maili Elem School/ Maili Park Asbestos	Vacant lot adjoining off			Asbestos pipe dumped on access area to school	dumping	Penco sent to pick up asbestos	Unknown	unk
6/12/2001		mailii	Oahu					Air	yes
Asbestos is on unclaimed propert serving as a walkthrough for children entering the school. No RP has been located as the asbestos is on an unclaime right of way. Maili Elem School is concerned about children breaking up the asbestos pipe. Pick up by Penco.									
20010613-1207	DRILL Kalaeloa Barge Harbor spill	Kalaeloa Barge Harbor -Pier 6		96707	DRILL DRILL Lose connection on the terminal side, problem on a vessel loading diesel fuel onto the M/V Mogul. Release 25 barrels, 20 in water . DRILL	Operator error	DRILL DRILL Containment booms, recovery equipment, Skimmers deployed. DRILL DRILL	Fuel Oil 2-D	25 barrels
6/13/2001		Kapolei	Oahu					Ocean	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No.	Site Name	Street	Island	County	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
RIs Date	Location	City		ZIP					
20010614-1530	Carpet washwater dumping - Pearl II Condominiums	98-410 Koauka			Allegations of MGM Services, carpet cleaner, dumping wastewater from carpet cleaning onto ground.		Requested MSDS from MGM Services; call coordination with Wastewater Branch (WWB)	Unknown	
6/14/2001			Oahu						
Received MSDS from MGM Services. One of the ingredients can be a skin irritant, WWB will be writing a letter to MGM Services regarding routing the washwater to a sanitary sewer instead of dumping it on the ground. No further action at this time.									
20010614-1630	HECO down transformers - 56-1081 Kam Highway	56-1081 Kam Highway		96731	Old rusty transformers laying on the ground, adjacent to an electric pole.	Transformers fell to ground due to rust failure of mounting brackets	Notified Hawaiian Electric (Donn Fukuda and Andrew Keith)	non PCB mineral oil	50
6/14/2001		Kahuku	Oahu					Soil	
Referral from Clean Water Branch (see attachment). Awaiting further information from HECO. 6/26/01: Spoke with Andy Keith who had visited the site. Transformer oil had been tested (PCB-free), transformer removed, and site cleaned up. Follow-up written notification to be sent. Written report rec'd 8/7/01, lab report dated 7/23/01. 7/18/01 crews returned to site and removed soil. Lab reports then indicated level below state requirements. Site was restored. Notification updated.									
20010615-0937	Asia Pacific Airlines spill	Gate 1 Bravo		96819	Refueling, left wing leaking. 5-10 gals onto concrete. Contained, none into	Equipment error	Used absorbents, FCI material on spill. Faxed spill report and directions to them.	Unknown	5-10 gal
6/15/2001		Honolulu	Oahu					Concrete	
20010615-1555	American Trans Air spill	Honolulu International Airport		96819	Material released out of right wing of aircraft due to	Equipment failure	Material contained, cleanup crew on site, contractor has been hired.	Jet Fuel JP-8	25 gal
6/15/2001		Honolulu	Oahu					Concrete	
20010615-1600	American Trans Air Gate 21 Fuel Spill	Gate 21 - Honolulu International Airport			Fuel oil spill from an American Trans Air aircraft. Spill has been cleaned up.		Notification only.	Unknown	25 gallons
6/15/2001		Honolulu	Oahu						

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010615-1742 6/15/2001	Oily water release from submarine	Southwest of Hawaii Islands. Honolulu	Oahu	96860	Material released from military Submarine due to operator	Operator error	None	Oil water mix Ocean	60 gals
20010615-1903 6/15/2001	Sheen on Ala Wai 569746	Convention Center Honolulu	Oahu	96815	Sheen on Ala Wai Canal		None	Unknown Canal	
20010619-1100 6/19/2001 No further action.	Malathion spill in a Kauai household		Kauai		Small bottle of Malathion spill		Advised that Malathion is still re-usable. If homeowner still wants to dispose of it, it can be disposed of in a landfill. Notification also done by DHO to Dept. of Ag.	Unknown	
20010621-1746 6/21/2001	Sheen Ala Wai Harbor 570432	1741 Ala Moana Honolulu	Oahu	96815	Sheen in Ala Wai Harbor.		None	Unknown Canal	
20010621-1913 6/21/2001	Hickam Hydraulic oil Dumping	75 H St Honolulu	Oahu	96853	Material dumped into a storm drain in a parking lot.	Dumping	No material found released from the storm drain system.	Hydraulic Oil Storm Drain	

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE ACTIVITIES FOR FY 2001

Case No. RIs Date	Site Name Location	Street City	Island	County ZIP	Incident Description	Cause of Release	Initial Response	Substances Media	Quantity RQ
20010623-2153 6/23/2001	Hawaii Ice & Cold Storage	21 Banyan Dr Hilo	Hawaii	96720	Ammonia release			Unknown	
20010625-0951 6/25/2001	Tar balls Waianapanapa Beach	Waianapanapa Beach Hana	Maui	96713	Tar balls on a beach on Maui.	Unknown	Cleanup crew sent by	Unknown oil Ocean	2 gal
20010626-1215 6/26/2001	Clean Island Council "Drill 570968"	179 Sand Island Rd Honolulu	Oahu	96819	Drill. Pier 2 in Nawiliwili Harbor, Kauai. Diesel spill.			Unknown Water	4
See NRC report for details.									
20010629-1420 6/29/2001	Single Point Mooring maintenance spill	Single Buoy Mooring Barbers Point Harbor Kapolei	Oahu	96707	Material released out of a single point mooring due to maintenance activity.		Booms, absorbents applied. Material contained, cleanup completed.	Oily water Ocean	1 quart
20010629-1741 6/29/2001	USCG JP-5	Sand Island Access Road Honolulu	Oahu	96819	Material released out of a fuel tank on a vessel due to a valve failure.	Equipment failure	Booms, absorbents applied, material contained, cleanup	Jet Fuel JP-5 Ocean	3 gal